

POOR LEGIBILITY

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FINAL
PHASE II SITE ASSESSMENT

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
HUNTINGTON BEACH, CALIFORNIA

Prepared By
Kennedy/Jenks/Chilton

K/J/C 866464.00

10 November 1988

Kennedy/Jenks/Chilton

17310 Red Hill Avenue, Suite 220
Irvine, California 92714
714-261-1577

10 November 1988

Mr. Robert Fassbender
MDC - Law West (206-1)
10775 Business Center Drive
Cypress, California 90630

Subject: Final Phase II Site Assessment Report
McDonnell Douglas Astronautics Company
Huntington Beach, California
K/J/C 866464.00

Dear Mr. Fassbender:

In accordance with the provisions of MDAC-HB Technical Services Agreement No. 86521242H, dated 11 December 1986, enclosed are five copies of the Final Phase II Site Assessment Report discussed at the meeting with the California Regional Water Quality Control Board, Santa Ana Region on 26 August 1988.

The report provides documentation of the findings and conclusions of site assessment investigations performed to date, with detailed emphasis on those investigations specifically conducted in accordance with the Phase II Site Assessment Workplan dated 9 October 1987. The report also presents information on site characteristics and subsurface chemical concentration distributions which were used to evaluate and support the recommended remedial approach presented in the Final Interim Remedial Measures Plan submitted under a separate cover.

Please contact us if you have any questions or need additional information.

Very truly yours,

KENNEDY/JENKS/CHILTON

John E. Norris
John E. Norris
Project Manager

William H. Sulcmane
for Jonathon C. Goldman
for Jonathon C. Goldman
Hydrogeologist

JEN:HCG/lyw

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FINAL
INTERIM REMEDIAL MEASURES PLAN

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
HUNTINGTON BEACH, CALIFORNIA

Prepared by
Kennedy/Jenks/Chilton

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McDonnell Douglas Astronautics Company
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In accordance with the provisions of MDAC-HB Technical Services Agreement No. 86521242H, dated 11 December 1986, enclosed are six copies of the Final Interim Remedial Measures Plan discussed at the meeting with the California Regional Water Quality Control Board, Santa Ana Region on 26 August 1988.

Please contact us if you have any questions or need additional information.

Very truly yours,

KENNEDY/JENKS/CHILTON

William H. Gulenik
for John E. Norris
Project Manager

Thomas J. Belick

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Senior Environmental Engineer
RCE 26845

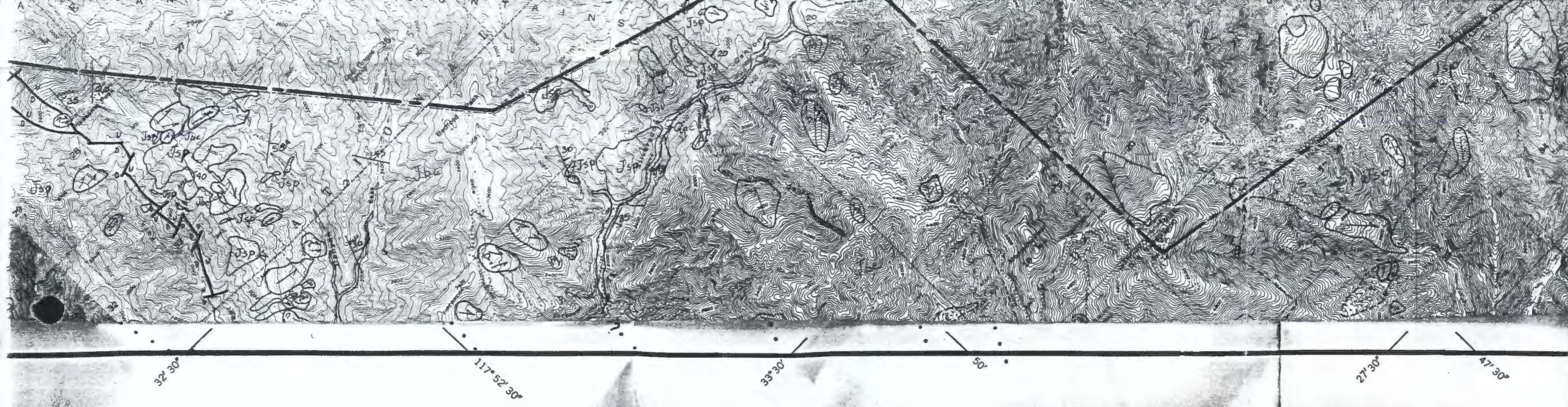


Joseph A. Drago
Joseph A. Drago, Ph.D.
Senior Environmental Engineer

JEN:TJB:JAD/lyw

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GEOLOGIC MAP OF ORANGE COUNTY, CALIFORNIA

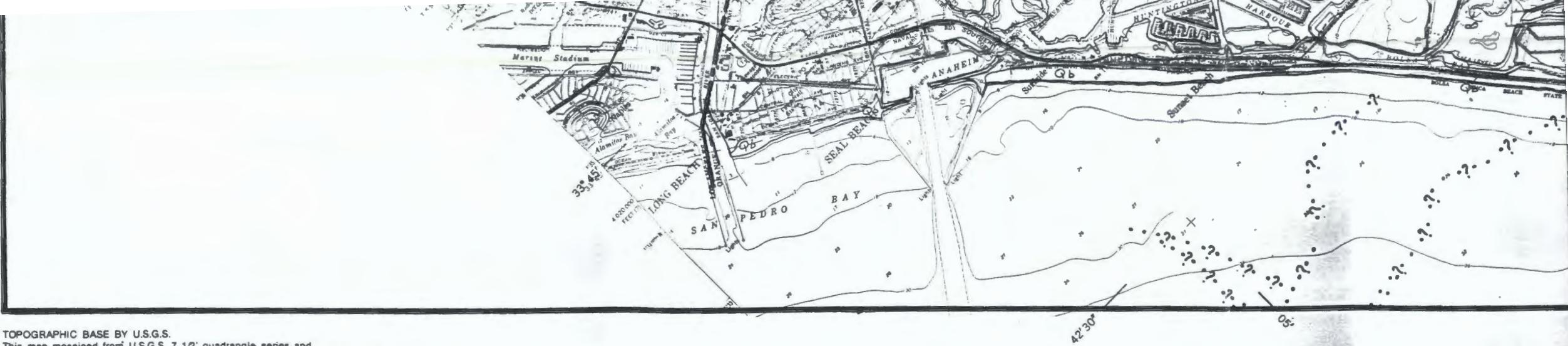
Compiled by Paul K. Morton and Russell V. Miller
1973

1973

SCALE 1:48,000



NOTICE: THIS IS NOT AN OFFICIAL FAULT HAZARD SPECIAL STUDIES ZONE MAP AS PRESCRIBED BY THE ALQUIST—PRIOLO GEOLOGIC HAZARD ZONES ACT OF 1972; HOWEVER, THIS WILL BE A MAJOR SOURCE OF INFORMATION TO BE USED IN THE PREPARATION OF SUCH MAPS.



TOPOGRAPHIC BASE BY U.S.G.S.
This map mosaiced from U.S.G.S. 7 1/2' quadrangle series and
reduced to the scale of 1:48,000; contour intervals 5, 10, 20, 25, and 40 feet.

Alluvial and colluvial materials, including older alluvium and slope wash Qac;
Mostly loosely consolidated gravel, sand, and silt of stream channels,
flood plains, and mantle on lower parts of slopes.

Beach sediments Qb: Unconsolidated sand, silt, and gravel at or near sea level.

Nonmarine terrace deposits Qt: Poorly consolidated reddish-brown to yellowish-brown gravel to silt (resulting from older stream activity, subsequently elevated with respect to present drainage levels).

Marine terrace deposits Qtm: Poorly to moderately consolidated light-brown to yellowish-brown sand, gravel, and silt.

La Habra Formation Qlh: Nonmarine, poorly to moderately consolidated reddish-brown sandstone, light-yellowish-brown pebbly sandstone, grayish-green to reddish-brown mudstone and siltstone.

Coyote Hills Formation Qch: Lower beds; nonmarine and brackish water (?), dark- to light-reddish-brown to yellowish-brown clayey sandstone and conglomerate. Upper beds; nonmarine olive-gray marly mudstone with light-brownish-gray to pinkish-gray coarse, earthy sandstone and pebbly sandstone.

San Pedro Formation Qsp: Marine, poorly consolidated light-yellowish-gray siltstone and lenticular pebble conglomerate.

Niguel Formation Tn: Marine, white to light-gray and grayish-yellow sandstone; interbedded yellowish-gray siltstone; basal pale yellowish-brown to reddish-brown cobble conglomerate and minor breccia.

Fernando Formation: Upper Member Tu: marine, light-gray to yellowish-brown sandstone with pebble-sandstone and sandy conglomerate interbeds; grades to reddish-brown and green mudstone. *Lower Member TfI:* marine, light-grayish-brown to olive-brown siltstone with lenticular pebble conglomerate and thin interbeds of fine-grained sandstone and mudstone.

Capistrano Formation: Siltstone facies Tcs: marine, yellowish-gray to light-brownish-gray siltstone and mudstone with lenticular whitish-gray sandstone and thin calcareous mudstone. Locally platy, diatomaceous. *Turbidite facies Tet:* marine, yellowish to light-gray friable sandstone and lenticular blocks and thin siltstone interbeds. *Oso Member Tco:* marine, white to light-gray friable silty sandstone and grit with shaly siltstone interbeds.

Puente Formation: Undifferentiated Tp: brown to dark-gray shale and interbedded fine sandstone. *Sycamore Canyon Member Tpsc:* marine, light-yellowish-brown to brown conglomerate and conglomeratic sandstone, sandstone, and subordinate light-gray siltstone. *Yorba Member Tpy:* marine, thinly bedded pinkish-brown to light-gray siltstone containing thin, gray to light-brown sandstone interbeds. *Soquel Member Tps:* marine, gray to light-brown, friable to well indurated sandstone with thin siltstone interbeds. *La Vida Member Tpv:* marine, light-brown to light-pinkish-brown platy siliceous and micaceous siltstone with light-gray to yellowish silty sandstone interbeds.

Monterey Formation Tm: Marine, white to yellowish-gray tuffaceous and diatomaceous platy shale and siltstone with calcareous sandstone and sandy limestone interbeds; travertine locally near base.

San Onofre Breccia Tso: Marine, sedimentary schist-breccia with and minor diatomaceous silts.

El Modeno Volcanics: Undifferentiated flows and flow breccias. *Andesite tuff breccia Temt:* Basalt flows.

Miocene? intrusive andesite in the S and dikes of the San Joaquin

Topanga Formation: Undifferentiated silty sandstone; interbedded marine, interbedded light-gray; interbedded andesite sediment. *Los Trancos Member Tlt:* marine, light-gray sandstone, locally yellowish-brown well indurated.

Vaqueros Formation Tv: Marine, light-yellowish-green silty sandstone, siltstone and shale with minor limestone beds.

Sespe Formation Ts: Nonmarine and yellowish-gray conglomerate with minor thin and mudstone.



LITHOLOGIC DESCRIPTIONS OF MAP UNITS

re Breccia Tso: Marine, reddish-brown to bluish and greenish-gray sedimentary schist-breccia with locally interbedded sandstone, siltstone, minor diatomaceous siltstone.

o Volcanics: Undifferentiated Tem; interbedded andesite and basalt and flow breccias. *Andesite flows and flow breccia* Tema. *Tuffs and breccia* Temt. *Basalt flows* Temb.

intrusive andesite in the San Joaquin Hills Ta. Miocene? diabase sills likes of the San Joaquin Hills Td.

Formation: Undifferentiated Tt; mostly well indurated yellowish-gray sandstone; interbedded siltstone and tuff. *Paulerino Member* Ttp; e, interbedded light-gray tuffaceous siltstone, sandstone, and grit; eddy andesite sedimentary breccia and andesite flows near base. *Caranca Member* Ttt; marine, dark-gray siltstone with interbedded gray sandstone, locally tuffaceous. *Bommer Member* Ttb; marine, reddish-brown well indurated conglomeratic sandstone and grit.

Formation Tv: Marine, interbedded pale yellowish-brown to dusky reddish-green silty sandstone and grayish-green to light-brownish-gray shale and shale with minor conglomeratic sandstone and thin siltstone beds.

Formation Ts: Nonmarine and marine(?), interbedded reddish-brown to reddish-gray conglomeratic sandstone, silty sandstone, and siltstone with minor thin interbeds of yellowish to greenish siltstone and siltstone.

Vaqueros and Sespe Formations, undifferentiated Tvs: Complexly interfingered areas of these two units (see individual descriptions).

Santiago Formation Tsa: Lower beds; marine, very light-gray to yellowish-gray silty to clayey sandstone; locally conglomeratic near base. Upper beds; nonmarine greenish-gray sandstone.

Silverado Formation Tsi: Lower beds; nonmarine, variegated yellowish, reddish, and whitish hues of heterogeneous micaceous sandstone, siltstone, conglomerate, and minor thin claystone and lignitic coal. Upper beds; marine, greenish-gray sandstone and conglomerate, yellowish-brown siltstone and shale.

Williams Formation: Undifferentiated Kw; marine, interbedded fine- to coarse-grained sandstone and conglomerate. *Pleasants Sandstone Member* Kwp; marine, pale olive-gray to pale yellowish-brown sandstone and silty sandstone, commonly with limestone concretions. *Schulz Ranch Member* Kws; marine(?), very light-gray to pale grayish-brown sandstone and interbedded conglomeratic sandstone and siltstone. *Starr Member* Kwst; nonmarine, yellowish-brown, deeply weathered fanglomerate and massive conglomeratic micaceous sandstone.

Ladd Formation: Holz Shale Member Kh; marine, light-olive-gray to grayish-green siltstone, commonly with limestone concretions and interbedded pebble to cobble conglomerate--lenticular sandstone and conglomerate Kha. *Baker Canyon Member* Klb; marine, light-gray to yellowish-gray, well indurated calcareous sandstone and conglomerate.

Trabuco Formation Kt: Nonmarine, variegated reddish-brown poorly indurated, deeply weathered.

Granodiorite and tonalite, undivided Kgt.

Granodiorite Kgd: Light-gray to light-brown, coarse-grained biotite granodiorite.

Woodson Mountain Granodiorite Kgwm: Light-gray medium-grained granodiorite (characteristically, boulders of disintegrated rock on land surface).

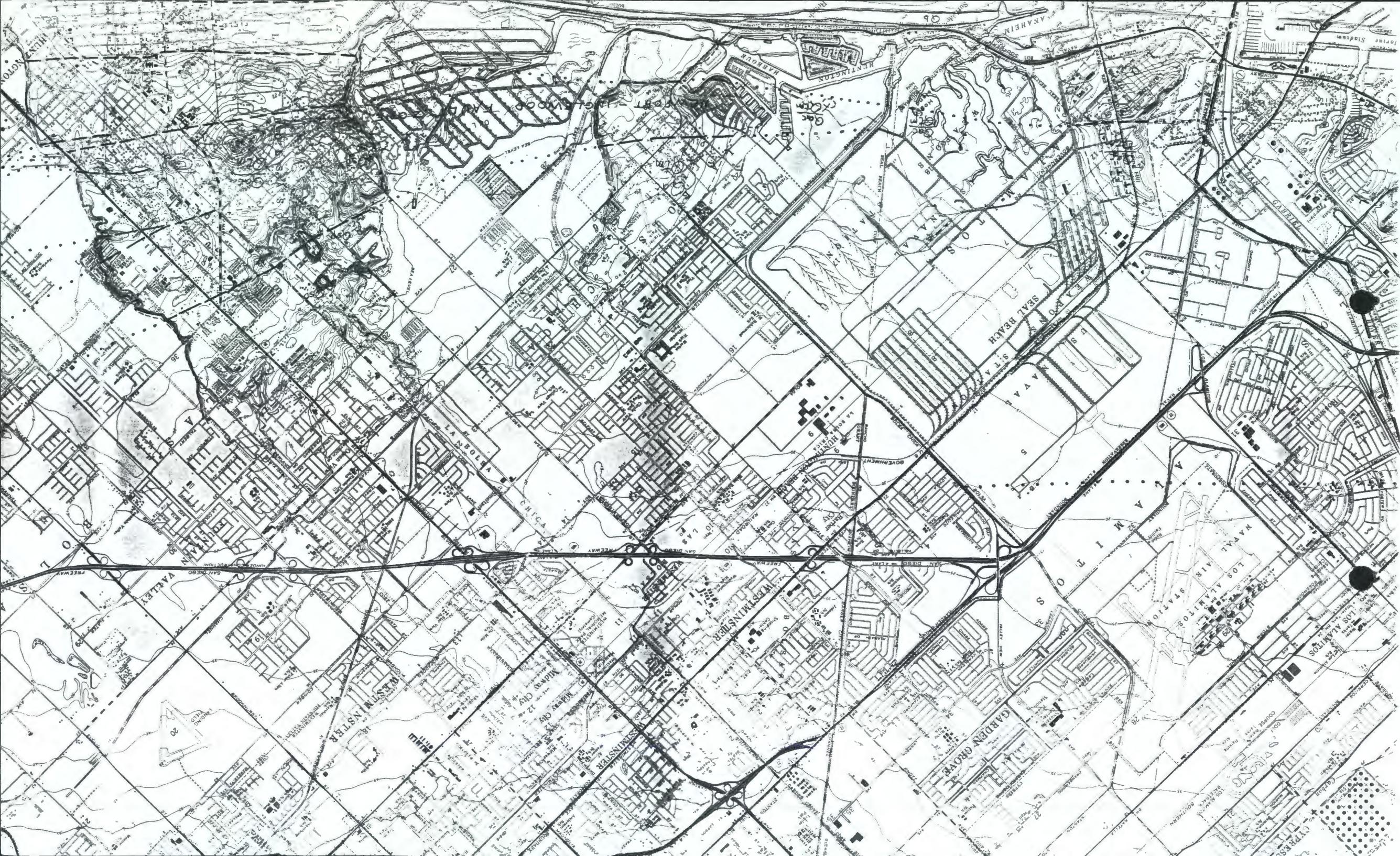
Bonsall Tonalite Kgb: Light- to dark-gray, medium-grained tonalite with abundant oriented inclusions and schlieren.

San Marcos Gabbro Kgsm: Dark-gray to brownish-gray, highly variable; mainly hornblende and hypersthene gabbro.

Santiago Peak Volcanics Jsp: Light-gray to dark-gray unmetamorphosed intrusive and extrusive rocks, slightly metamorphosed volcanic conglomerate, welded tuff, etc., and minor metasedimentary rocks.

Bedford Canyon Formation Jbc: Dark-gray to light-gray, indurated, weakly metamorphosed argillite, sandstone, conglomerate, and minor limestone; contains dikes of Santiago Peak Volcanics.





ASPIS-01

TOXIC SUBSTANCES CONTROL DIVISION

ABANDONED SITE PROGRAM INFORMATION SYSTEM
FACILITY INVENTORY INFORMATION

1. Facility File Number

30370194

County

SIC

Number

2. Region

- NC SC
 NCC

3. Date Prepared

09 12 89

Month

Day

Year

4. Facility of Record

McDonnell Douglas Space Systems Company

 Revise Name

5. Facility Location (street, road, or location description)

5301 Bolsa Avenue

6. City

Huntington Beach

7. State

CA

8. Zip

92649-7

9. Operator of Record

10. Telephone Number

11. Operator Address

12. City

13. State

14. Zip

15. Current Land Owner Name

16. Telephone Number

17. Current Land Owner Address

18. City

19. State

20. Zip

21. Fund Source: 0(RCRA) 3012 RCRA 0(CERCLA) 104 CERCLA 0(SEP) SEP (Site Evaluation Program) 0(SSP) SSP (Site Survey Program) 0(CERCLA2) CERCLA (II) 0(None) No Fund Source

22. Action Status: Date

09 12 89

Month Day Year

- 0(SUPFD) Superfund Sites
 0(REF) Sites Referred
 0(UNR) Unresolved Sites
 0(SSRH) Site Screening Required (high)
 0(SSRM) Site Screening Required (med)
 0(SSRL) Site Screening Required (low)
 0(PAH) PA Required (high)
 0(PAM) PA Required (med)
 0(PAL) PA Required (low)

- 0(SIRH) Inspection Required (high)
 0(SIRM) Inspection Required (med)
 0(SIRL) Inspection Required (low)
 0(RSM) Referred to Site Mitigation
 0(RENF) Referred to ENF
 0(PDS) Pending Status
 0(NFA) No Further Action

Original — To Headquarters

Yellow — To Regional Files

Pink — To Employee Files

INSTRUCTIONS FOR COMPLETING FORM ASPIS-01

All forms should be filled out using a Facility Profile Report for reference. Form ASPIS-01 may be used to: 1) add a new facility to the data base, 2) delete a facility from the data base, or 3) change existing facility data.

1. To add a new facility to the data base, check "Add New Facility" in the Form Usage section. Then enter the following information:

- A. Item 1. Facility file number. This consists of a two-digit county code, followed by the first two digits of the Standard Industrial Classification (SIC) code that best describes site operations. The four-digit file number will be assigned by Headquarters Abandoned Site staff.
- B. Item 2. Indicate the Toxic Substances Control Division region in which the site is located.
- C. Item 3. Enter the date the ASPIS form is prepared.
- D. Item 4. Enter the name of the company of concern, even if that company is no longer onsite. *Use no abbreviations* when completing items 5–18. If the information is longer than the space provided, leave off the part that does not fit.
- E. Items 5–8. Enter facility address.
- F. Items 9–14. This information pertains to the operations of the company of record only. Current operators and contacts should be entered in the comments under action codes 2401, 2402, or 2403.
- G. Items 15–20. This information refers to the *current* land owner.
- H. Item 21. Mark the fund source for the current investigation (one fund source only).
- I. Item 22. Enter the date of the report (Site Screening, PA, SI). Then mark the current recommendation for the site. Use the same recommendation on the Site Tracking Sheet. The "Sites Referred" and "Unresolved Sites" categories are not current choices for a final action status. These categories were used previously and are now used only for deletion purposes.

2. To delete a facility, check "Delete Facility" in the Form Usage section. Then enter:

- A. Facility file number,
- B. Date prepared, and
- C. Facility name.

3. To revise existing data or add new data to an existing facility file, check "Change Facility Data" in the Form Usage section. Then enter the following information:

- A. Facility number,
- B. Date prepared, and
- C. Facility name. Comment: The facility name of record should remain the same throughout the file history. Spelling corrections can be made by checking "Revise Name" in Item 4.
- D. Enter any changes or additions to the remaining items. (Revised information will automatically supersede any existing information).
- E. Items 5–14 pertain to the facility of record. These items should only be changed if existing information needs correction (i.e., spelling, address corrections).

**TOXIC SUBSTANCES CONTROL DIVISION
ABANDONED SITE PROGRAM INFORMATION SYSTEM
OVERSIGHT ACTIONS REPORTING FORM**

ASPIS – 03

1. Facility File Number 30370194 CO. SIC NUMBER	2. County Orange	3. Facility of Record Mc donnell Douglas Space Systems Company	4. Date Prepared 09 12 89 Month Day Year
5. Act. Date Month Day Year	6. Act. Code	7. Comment Number	8. Comments
08 06 1205			01 UNDERGROUND STORAGE TANKS WERE REMOVED 02 AND AT THE REQUEST OF OCHCA SOIL SAMPLES 03 BENEATH THE EXCAVATIONS WERE COLLECTED 04 AND ANALYZED; SOIL CONTAMINATION WAS 05 DETECTED; SUBSEQUENT GROUNDWATER SAMPLING 06 REVEALED GROUNDWATER CONTAMINATION 07 RWQCB BECAME INVOLVED AND HAS BEEN THE 08 LEAD AGENCY IN GROUNDWATER EXTRACTION 09 SYSTEM
053089 240201			RECOMMENDED FOR SITE INVESTIGATION MEDIUM PRIORITY UNDER CERCLA

INSTRUCTIONS FOR COMPLETING FORM ASPIS-03

This form may be used to add new action codes and comments to the data base.

To complete the form, enter the facility file number, county, facility of record, date prepared; action date, action code, comment number, and comment.

To add a comment to an existing action record, use the facility profile report for reference. New comments may either be appended to the end of existing comments or inserted between existing comment lines.

1. To append comments to existing comments within an action: Refer to the Facility Profile report, determine the action date, comment number and action code of the action being appended. Then enter new comments using the consecutive comment numbers following the last comment number that appears.
2. To insert comments between existing comments of an action: Refer to the Facility Profile report, determine the position where the new comment is to be inserted. Then enter the action date and action code of the action being updated, and insert the new lines using comment number increments of 0.5 (1.5, 2.5, etc.), between the existing whole integer comment numbers (1, 2, 3, etc.).

NOTES: Action comments should provide a brief overview of pertinent information and activities at a site. Use the Action Codes to categorize information. Keep comments brief. Use only the abbreviations listed on "Comment Abbreviations" in the SEP manual.

- If the action has a specific date associated with it (inspections, etc.), use that date as the Action Date. If not, use the date that the information was obtained as the Action Date.
- Always number the comments within an Action Code even if there is only one line.
- Always use the date 010101 for Action Codes 1000, 1001, and 1002.
- When entering action codes, use only the numerical designation for the code. Do not write the name of the code (i.e., driveby), in the comment field because the computer automatically prints each comment name on the printouts.

ACTION CODE DEFINITION

The following instructions explain how the action codes are to be used.

Action Code Number	Action Code Name	Date	Explanation
1000	Current Facility	010101	This code identifies the current facility located at the site. This code is used only when the current facility differs from the facility of record. Should the current operator have more than one alias, all aliases should be identified in the comment (i.e., current operator name, aka: alias 1, alias 2). Other pertinent facts pertaining to the current operator can be entered with this code; however, these should be kept to a minimum (i.e., date of operation).
1001	AKA-Filed Facility	010101	This code is used to identify aliases of the facility (name changes where ownership remains the same).
1002	Former Facility	010101	This code identifies other former facilities located at the site and is similar in use to action code 1000. See instructions for code 1000.
1010	Latitude	Info Obtained	These codes identify latitude and longitude, respectively.
1011	Longitude	Info Obtained	See code 1010
1020	Alias Address	Info Obtained	Any other addresses for same site.
1205	Self-Monitoring	Start Date	This code identifies any self-monitoring programs (i.e., effluent monitoring, groundwater monitoring, soil sampling, etc.) being implemented at the facility, and identifies any agency involvement.
1301	Permit (Other)	Info Obtained	This code identifies all permits issued to any facility at the site. Include date of permit and length of time permit is or was valid.
2101	Facility Identified	Actual	This code describes how the facility was identified as a potential problem, including the date and identifying agency. The code can be used for any facility at the site.
2102	Facility Driveby	Actual	This code identifies the date of the facility driveby and any pertinent information discovered during the driveby.
2103	Inspection (local)	Actual	This code identifies any inspections conducted at the site. Include the facility inspected, the agency that conducted the inspection, and the findings of the inspection. Any pertinent inspection at any site facility may be included.
2104	Inspection (state)	Actual	See code 2103.
2105	Inspection (federal)	Actual	See code 2103.
2106	Inspection (other)	Actual	See code 2103.
2107	Sample Results	Info Obtained	This code describes the sample results from any pertinent inspection at a facility. A summary of the results, the implication of the results, the sampling agency, the number and kind of samples collected, and the date the samples were taken is suggested as an entry format.
2111	Aerial Surveillance	Actual	This code identifies when photos were taken or obtained. State what information was obtained or shown by the photos.
2112	Ground Photos	Actual	See code 2111.
2113	Driveby Required	Actual	This code is used to describe the rationale for recommending a driveby.
2115	Records Search	Actual	This code is used to document the date record searches are conducted.
2116	Submit to EPA	Submitted	This code is used to identify when PA's or SI's are submitted to EPA for the CERCLA grant program.
2119	Hazard Mitigated	Actual	This code is used to identify when and how hazards at a site were mitigated.
2120	EPA ID Number	Info Obtained	This code is used to identify the EPA identification number for the site.
2301	Violation Detected	Actual	This code is used to identify when violations are detected at the site. Include agency and any follow-up actions.
2302	Violation Corrected	Actual	This code is used to identify when violations are corrected at the site. Include mitigation, post mitigation sample results, closure activities, etc.
2303	Enforcement (Other)	Actual	This code identifies when sites are referred to enforcement or any other agency and the rationale by which they were referred.
2401	Site Screening Done	Actual	This code identifies when the SS is completed. Information found during this phase of investigation may be recorded here. Examples of the use of this code are: tying waste type to operator, reporting phone call information, and describing general information.
2402	PA Done	Actual	See code 2401.
2403	SI Done	Actual	See code 2401.

SITE TRACKING SHEET

site Name: McDonnell Douglas Space Syst. Co.

site Location: 5301 Bosa Ave.

Huntington Beach, Orange Co. CA

Site ID Number: EPA# CAD008384588 ASPIS# 30-37-0194

Site Screening PA X SI

Action Summary : Underground hazardous material/waste storage tanks were removed. Samples taken from the base of the tank excavation indicate presence of: Carbon tetrachloride, DCE, TCA, PCP, DOE, TCE and toluene.
Currently SA-RWQCB is actively involved in site cleanup. Groundwater extraction for the uppermost 60 feet has been proposed and is under review by - SA-RWQCB

Recommendation : Medium Priority SI under CERCLA
Low priority SI for State DHS because RWQCB and Orange County Health Care Agency is involved.

Rationale/Supporting Documentation : _____

Supervisor : Albert Arellano Jr. Preparer : H. Muniz

Hours Spent : 100 Date : 4/25/89

COMPANY CONTACT REPORT

Company: MCDONNELL DOUGLAS SPACE SYSTEMS CO.

Contact: DUANE R. JORDAN

Date: 22 FEB 89

1. Legal property owner?

NAME: SAME PHONE: (____) ____ - ____

ADDRESS: _____

2. Previous landowner(s)?

NAME: NONE PHONE: (____) ____ - ____

ADDRESS: _____

3. Present status of operation?

Active X

Inactive _____

No. employees 8000

Years of operation? 26
From '63 to PRESENT

4. Size of the facility (acres)? 250

Changes in property boundaries? NONE

5. Previous operator(s)? [Years of operation?]

NONE

6. Products or materials produced? Process?

AEROSPACE

- ✓ By-products and/or waste materials generated? Quantities?

How are these materials treated, or stored?

waste is treated or transported for recycling and
disposal.

Facil Casmalia; USPCl Utah (landfill)

Includ MSP in Longview.

Recyclers - Systech. S.C. Chemical. DOW ³⁰⁰⁰ paint
RHO-Chem. Pacific treatment: AONICS; ^{part} ^{west}

~~BB~~

-2-

If materials disposed of, to what facility? By whom?

Trans. - American Environmental; IT; Disposal control Services;

7. Have there been variations from past production methods?

CHANGE IN MATERIALS

8. Past or present underground storage tanks or evaporation ponds?

NO EVAPORATION PONDS - PAST UST - FUEL, HAZARDOUS WASTE

PRESENT UST - FUEL

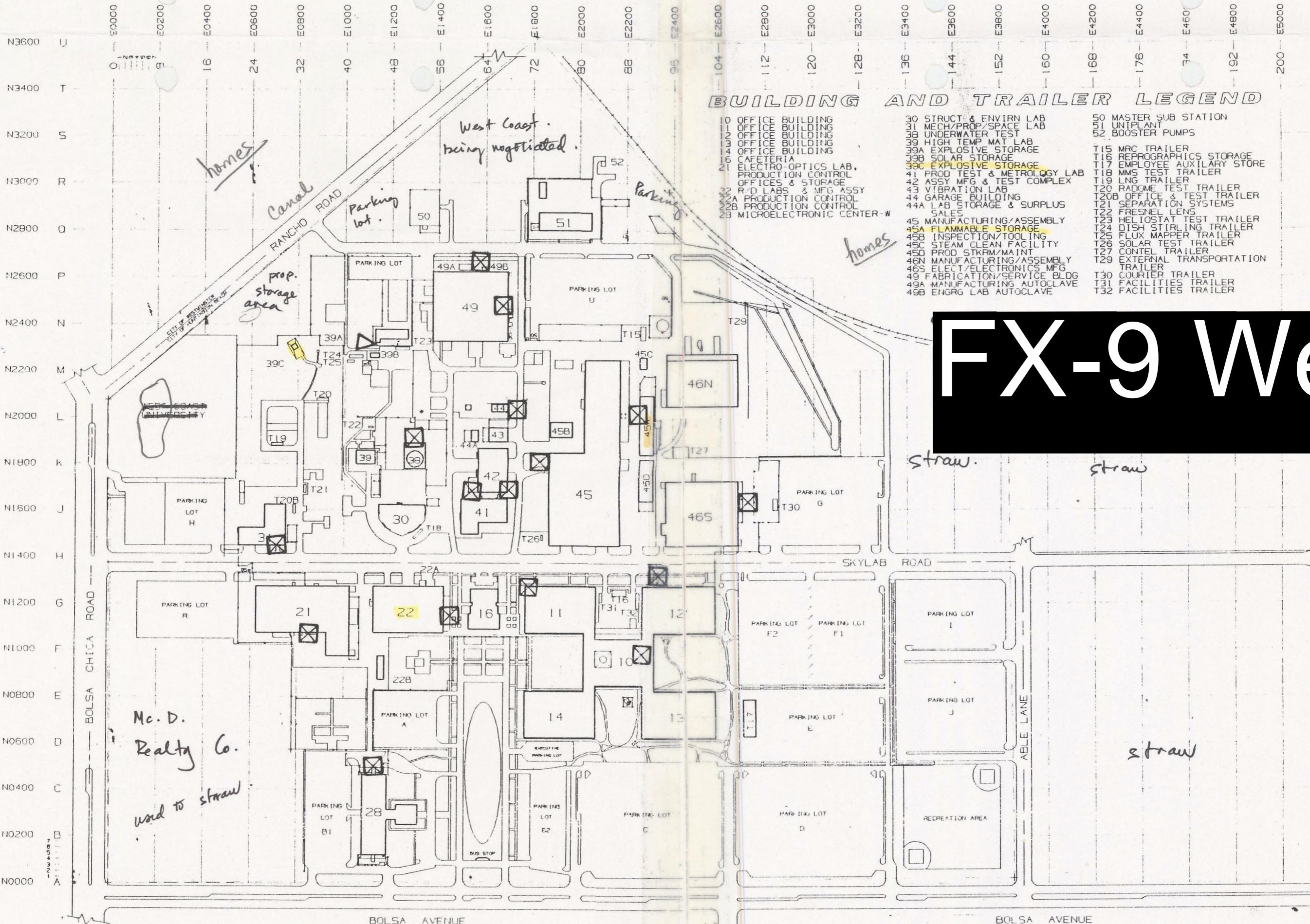
9. Incidents -- fires, spills? - 4-1988 -
-
-

10. Operative or abandoned groundwater wells on site? Location?

FX-9 Wells

act comp

MDAC HUNTINGTON BEACH FACILITY PLOT PLAN



SATELLITE COLLECTION POINTS
 ACCUMULATION TANKS

12-11-85

100
 0 200 400 600
 SCALE IN FEET

JAN M MARTINSON
31 JANUARY 1985

light industrial park.

FX-9 Wells

MIC DONNELL DOUGLAS

HB

HAZ WASTE GENERATORS ON SITE,

BLDG 49 (PLATING & METAL TREATMENT)

ANODIZING / CHROME PLATING / PAINT BOOTH

TREATMENT CENTER

WASTE WATER + PLATING BATH TREATMENT

BLDG 41 (TEST HYDRAULICS AND METROLOGY LAB)

OIL / SOLVENT / VAPOUR DEGREASER

BLDG 42 (CLEAN FUEL TANK)

1,1,1 TCA. NOT GENERATED @ THIS TIME

BLDG 46S PCB - PLATING

BLDG 31 OFFICES, SPACE SIMULATION, MACHINING, Au COATING

OIL / FIREON.

BLDG 46N SHIPPING + RECEIVING / SOME ASSEMBLY

ALCOHOL / PAINT REMOVER

BLDG 22 LABS

LAB WASTE / ADHESIVE / AL ETCHANT / SOLVENT / CHROMIC / ETCHANT / ACID

BLDG 28 IR+D GALLIUM ARSENIDE LUMINESCENCE

LAB WASTE / SOLVENTS / PHOTO PROCESS / GLASS + ACID / ETCH

BLDG 12 PRINTING

INK / ETCH / DEV + FIX / ANESTHETIC

BLDG 30 STRUCTURAL TESTING

OIL

BLDG 39 MAINT BLDG + GROUND

SOLVENT

BLDG 38 / 45C CLARIFIERS

BLDG 3E VEHICLE MAINT

OIL

BLDG 45 MACHINING

COOLANT / OIL / KEROSENE / SLURRY

BLOCS

NON-HAZ WASTE GENERATOR

10, 11, 13, 14 ENGINEERING

16 CAFE

22B SHED AREA

38 SWIMMING POOL 1,000,000 gal
TRAINING FOR ASTRONAUTS

43 SOUND VIBRATION TESTING

44 MISSLE HOLDING

45B X RAY - LOOKING FOR CRACKS

45A CHEM STORAGE, NEW CHEM.

45D STORAGE + OFFICE.

21 ASSEMBLY RIVETING + DRILLING

CLARIFIERS

W OF 45C

NE OF 38

INSIDE 49 ← CEMENTED

VGT 3

@ 37

GAS & DIESEL

1 @ 465

Sanitation Permits (3)

BLOC 465 018 MGD

49 040 MGD

EVERYTHING ELSE 250 MGD

BLDG 49 - Con -

Coloring

TREATING ALUMINUM

NA NITRATE

QUENCH TANK (WATER)

→ SEWERED

near heat treating area.

VAPOR DEGREASER

1,1,1, TCA ... UNCERTAIN ABOUT VOLUMES + TIMES
CHANGED

^{MSE}
⑥ HEAT TREATING

QUENCHING SCAP + H₂O → SEWERED

NOTE :

RINSE GOES TO TREATMENT CENTER

CHROMIC & WASTES ALSO GO TO

THIS CENTER VIA A

HOLDING TANK AND PRE-TREATMENT

BLDG 49 :

ANODIZING LINE

PAINT BOOTH

PAINT BOOTH FILTERS - THIS BOOTH
GENERATES THE BULK OF ALL PAINT
WASTE.

ALKALINE CLEANER

RINSE

CHROMIC ACID

RINSE

RINSE

CHROMIC ACID (CrO_3)

ALCINE 120 (CHROMIC)

ALODINE 1500 (CHROMIC)

SPRAY RINSE

CHROMIC

HOT H_2O

SEALERS

SULFURIC ACID

SULFURIC ACID

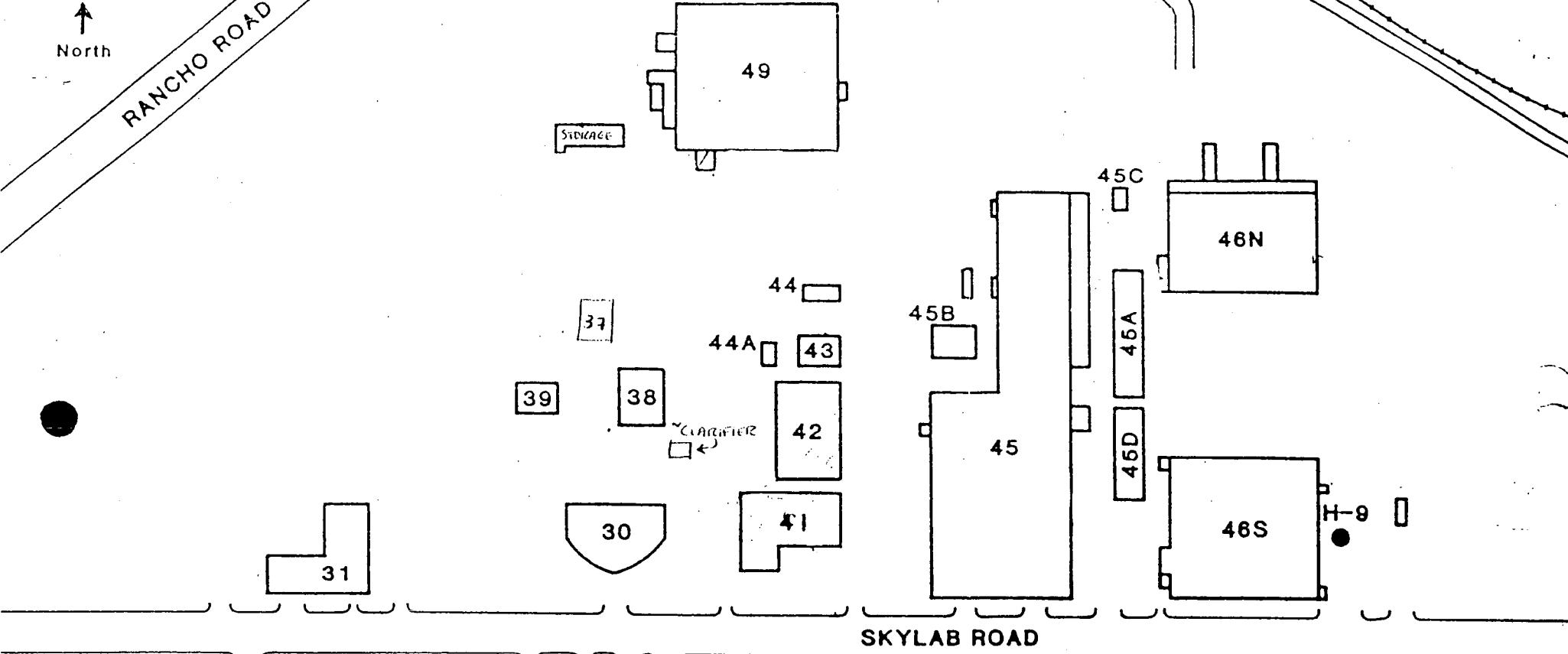
NI ACETATE SEAL

BLACK DYE SOLN

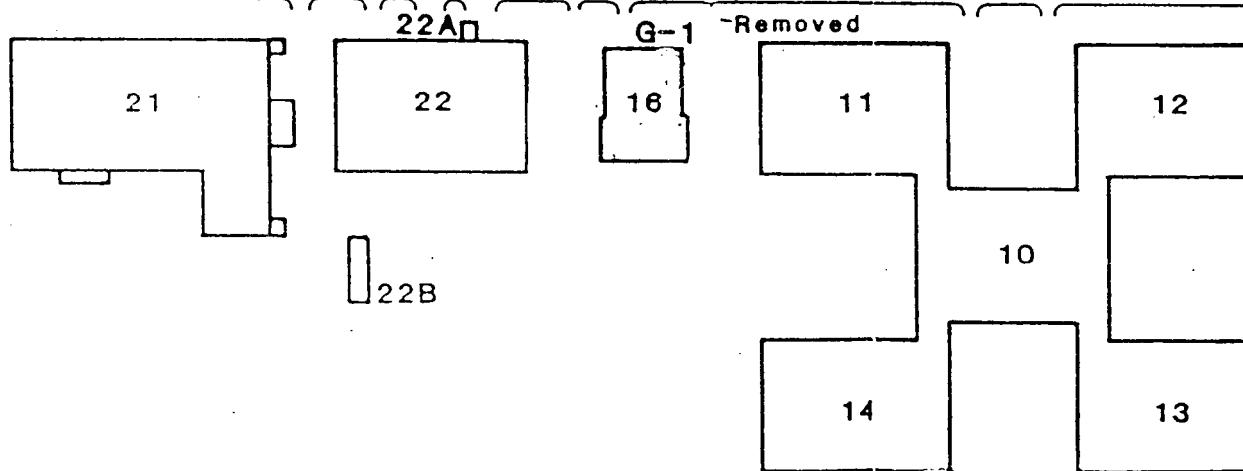
SODIUM DICHLROMATE

DISPOSED OF THROUGH

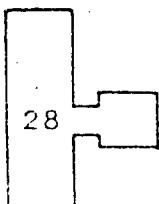
TREATMENT
CENTER



SKYLAB ROAD



MCDONNELL FOUNDRY



STAINLESS STEEL
TITANIUM LINE

ALK CLEANER

SODIUM HYDROXIDE

RINSE

CHROMIC ACID + SULFURIC ACID

HF + NITRIC ACID

RINSE

NITRIC

RINSE

SODIUM HYDROXIDE

K PERMANGANATE
SODIUM CARBONATE

ETHYLENE DIAMINE

CITRIC ACID + AMMONIA

RINSE

HYDROFLUORIC ACID + NITRIC

NITRIC ACID + NA DICHROMATE

CHROME LINE

HCL

CHROMIC ACID

CHROMIC ACID

DIP RINSE

HOT H₂O

SODIUM HYDROXIDE

BLDG 42 -

CLEAN FUEL TANKS

H-13 - TANK

SODIUM HYDROXIDE

K PERMANGANATE

NA CARBONATE

CLEANING

WASTE WATER

→ H4

can discharge

If meets Reg. discharge

What
is
this
for
NOT USE

1,1,1 TCA USED TO CLEAN - CLOSED SYSTEM

W CONDENSERS + FILTER SYSTEM

SLUDGE

FLOOR SINK

SEWER UNDER CLEANING AREA FOR $H_2O \rightarrow$ SEWER

- Not a clarifier

not in
use
at this time

BLDG 41

METROLOGY LAB

HYDRAULIC TEST AREA.

ALSO STORED

(6) 55 GAL DRUMS OF HW SOLID FROM UGT REMOVAL

WASTES

HYDRAULIC OILS

OILS ARE COMINGLED
~ 2-3 5 gal containers
PER WEEK. THESE MAY
NOT BE FULL.

MILSPECIC 8382
RFD OIL 5606
TMS 2014

SKYDRAIL - reused

filtered for
H₂O removal
filter hauled

VAPOR DEGREASER

TCA

→ RUN THRU STILL

SLUDGE →

UNCERTAIN ABOUT
VOLUME = SLUDGE
CHANGED OUT ~ EVERY
OTHER YEAR

ULTRASONIC

DOUGLAS #2 SOLVENT

FREON

} NOT YET DISPOSED

SOLVENTS USED AT BENCHES. STORED SEPARATE

FREON + OIL

5 gal can ~ 1 CAN
PER DAY

ALCOHOL

5 gal can ~ 1 CAN
PER DAY

TREATMENT CENTER

WASTE HOLDING TANKS

H4 - STEEL HOLDS PERMANGANATE

H5 - PLASTIC CHROMIC ACID

H6 PLASTIC CHROMIC ACID

RINSES INTO SUMP

PH ADT - REDUCE

REDUCE $\text{Cr}^{+6} \rightarrow \text{Cr}^{+3}$ WITH SULFUR DIOXIDE
SODIUM BISULFATE

FLOCCULANT

SETTLING

SLUDGE SUMP

↓
FILTER PRESS

1 ROLL AWAY
every 90 days
10 yards

↓
WATER REUSED IN SCRUBBERS
\$ SEWERED

FOR MATERIAL IN HOLDING TANKS

IT IS PRETREATED AS ABOVE

THEN RUN THROUGH SYSTEM

WITH LOW VOL OVER TIME.

BLDG 46 5

PRINTED CIRCUIT BOARDS

SOLDER REFLOW MACHINE

PEANUT OIL

ACID NO

~ 6 drum (55 gal)
every 90
days.
containing a
bath

CLEAN

AMMONIA PERSULFATE —————→ SUMP

SOLDER PLATING ———— drummed 1 x yr

Ni BATH ———— drummed — 1 x yr 1 drum

IMMERSION Sn alkaline — drummed 1 x yr

OXIDE LINE

SODIUM HYDROXIDE —→ DRUMMED

SULFURIC PEROXIDE ETCH → DRUMMED

ALK CLEANER —————→ SUMP

=
= } 1 x yr

CLEAN LINE

NH₃ PERSULFATE

SULFURIC

SODIUM BISULFATE

CATALYST SODIUM BISULFATE "

—————
SUMP

DRUMMED } 1-2 /

ACCELERATOR

ELECTROLESS Cu

ACID Cu FLATTING

CARBON TREATMENT

DRUMMED.

Not often - 1 x yr

SC. CIRCUIT

ALKALINE ETCH → DRUMMED ~ 2 drums
CU SULFATE

MSDS
ALUMINUM ETCH → DRUMMED ? = uncertain how often

ETCH BACK

SULFURIC ACID → DRUMMED — not often
ALKALINE COND. → SUMP
AMMONIA + BIFLUORIDE → DRUMMED — not often
+ HCl

NOTES:

ANYTHING GOING TO SUMP

pH ADJ w/ NaOH
* SEWERED

NO SLUDGE HAS BEEN REMOVED FROM SUMP

* DOUGLAS SOLVENT - NAPTHHA
ACETONE DPM 500
MEK
TOULENE

METAL CONTAINER

5gal/
1x120

ISOPROPYL ALCOHOL
FIREON
I, I, I TCA

METAL CONTAINER

5gal/
1x120

ANODIZING - TOUCH UP DONE HERE WITH PAINT
BRUSH

FIREON IS SPRAYED ONTO OBJECT'S SURFACES
WHILE INSIDE SHOP

ABOVE SOLVENTS ARE ALSO USED ON RAGS

BLDG
46N

SHIPPING + RECEIVING & PACKING
ASSEMBLY

SOLVENTS USED OUT OF SQUEEZE BOTTLES
ON RAGS

TOULENE

1,1,1 TCA

DOUGLAS # 2 SOLVENT

+ IODINE (CHROMIC ACID)

APPLIED w/ SQUEEZE BOTTLE

MS² ACID TO REMOVE PAINT / PAINT
CB202

} THE
5 gal can/yr

SOME TOUCH UP OF PAINT IS
DONE BUT NOT A VERY
LARGE VOLUME - NO H.W.

BLDG 31

OFFICES

SIMULATE SPACE ENVIR ON PART

IN VACUUM CONTAINMENT

MACHINING

AU COATING OF OPTICAL SURFACES

WASTES GENERATED

OIL - 5 gal / mo

FREON - 3 gal / mo - used in ultrasonic machine

RAGS w/ SOLVENTS

TOLUENE

ACETONE

#2 SOLVENT

METHANOL

1,1,1 TCA

ISOPROPYL ALCOHOL

ROSIN FL

METHYL STYRENE

ETHYLENE DICHLOORIDE

ETHYL ALCOHOL

DENATURED ETHYL ALCOHOL

KEROSENE

JET A FUEL

PASA JEL ACID used to clean Al surfaces

is used near B 30 prior to welding
over clamp in.

In a vacuum chamber
Au in Crucible is
heated to high temp
Au vaporizes off
onto optical surfaces

BLDG 21

ASSEMBLY - RIVETING + DRILLING
NO SOLVENTS

BLDG 22

LAB WASTE ... LAB PACKED

ADHESIVE LAB

ADHESIVES + SEALANTS - CURED (SOLIDIFIED) → DUMPSTER
" 1 lb / week

AL ETCHANT (PASA-GEL : SULFURIC + NA DICHROMATE)
1 gal / week

SOLVENTS for clean-up:

most	MEK ★ ISOPROPANOL 1,1,1 TCA TOULENE SAFETY SOLVENT	}	COMMINCED ~ 5 gal every 6 mo
------	--	---	---------------------------------------

ASSEMBLY - TOUCH UP

CHROMIC ACID

FLUORIDE SALTS

FERRICYANIDE

HF

CAUSTIC ETCH

ACIDIC MATERIALS

PASA JEL

NITRIC

PHOSPHORIC

HYDROFLUOSILICIC

PLASTIC

5 gal / ~ 1 x mo

PLASTIC

5 gal / ~ 1 x mo

5 gal / ~ 1 x mo

PLASTIC

- OVER -

PASA JEL SULFURIC * SODIUM DICHLORIMATE

NOTES:

LAB PACK EXOTICS

Boron
Lithium metal
Barium "getters"
Calcium
K
Calcium hydroxide

uncluded:

Zinc selenide
Na in NaOH
Na in mineral oil
Beryllium
Li metal (low Na)
Ca hydride
Sponge iron

Cu
barium oxide
K purified
Na methoxide
Na methylate
Al phosphide
S-Trioxane

PAINT BOOTH FILTERS:

Hazardous waste determination was made for paint booth filters attached is a copy of the analysis made; and a manifest for hauling of this waste. At this time Bldg 49 has the only operational paint booths.

MAGNESIUM

MSDS REQUESTED . . . FROM RANDY LEADER

BLANK ROLLA

KLEAN FAST

ANM ELECTRO STATIC ETCH

2TKA - 26

}
BLDG 12

QUENCHING SCAP

BLDG 49

4L ETCH CORROSIVE

465

MILSPEC 8382

}

RED OIL 5666

BLDG 41

TMIS 2014

CHARMAINE MITCHEL 8962462

HELPED ME WITH MANIFEST RECORDS

BLDG 39 MAINT BLDG + GROUNDS

PAINT BOOTH 5 x 11 FILTERS NOT OPERATIONAL

NO PAINT THINNER @ THIS TIME

PAINTING DONE NOW IS ALL BY BRUSH

PLUMBING / SHEET METAL / ELECTRIC

MECHANICAL REPAIR

SOLVENT TANK 20 gal - not yet disposed
leaving CHEM SOLV

BLDG 37 VEHICLE MAINT.

WASTE OIL ~ (1) 55 gal drum / mo.

NO CARB CLEANER.

ANTI FREEZE (4) 55 gal drums / yr

BLDG 45 LARGE SCALE MACHINING EQUIP. BOILING MILLING & DRILLING

WATER-SOLUBLE COOLANT

Overflow in work area goes through floor trench into an outside reservoir.

All chips are separated by conveyor belt.
OIL is separated from Coolant thru a SANBORN Separator.
This oil is collected & stored in central storage.

COOLANT recirculates back through equipment
changed out 9/87 see note below.
CHLORINATED SOLVENTS used on rags w/ squeeze bottles for clean up
of machines inside = no waste solvent generated
rain water sometimes gets into this system
as it is open to the envir.
When this happens they use a manual
separator in clarifier

SLUDGE in trough area is pumped out approx 2x/yr.
This goes to Imperial Valley.

KEROSENE is used in a wash tank ~5 gal every 6 hr.

PROCESSOR: WILL BE HOOKED UP IN THE FUTURE TO FILTER THE COOLANT
TEFLON FILTERS WILL SCRUB OUT OIL (WHICH WILL GO TO CLASS I)
LIQUID WILL BE SEWERED ~250 GAL/DAY

TEMP STORAGE TANKS

(1) PORTABLE TANK WITH COOLANT MATERIAL TO BE
used in machine shop.

STAR COOL
(IM COOL QUALITY STAR)

(2) TANKS HOLD ~20,000 gal

of H_2O & coolant from flushing of machines coolants
done ~9/87

BLDG 30

STRUCTURAL TESTING

THIS BLDG HAS 60' OF CONCRETE BELOW

OIL - 1 55 gal drum u 6 mo

SOLVENTS used only on slags
METC
no Solvent tank
or vapor degreaser

alcohol

toluene

Solvent Cleaner Rule 1124

ABU GRND TANK Contains TRISODIUM DICHLORONATE
no one was available to explain how
this is used or how often.

BLDG 45 C

STEAM CLEANING OVER CLARIFIER USING
ALKALINE SOAP

CLARIFIER SLUDGE u 2 x yr 25 gal

BLDG

38

STEAM CLEANING OVER CLARIFIER = NO SOAPS USED

CLARIFIER SLUDGE u 55 gal 2 x yr

BLDG 12

PRINTING

AQUA AMMONIA (DEVELOPER) → SEWERED

PHOTO FIX APPROX 7 MACHINES 40 gal 2 x yr

BLANK ROLLA
KLEAN FAST } used on bags

ISOPROPYL ALCOHOL + H₂O → SEWERED

1:3

INK SLUDGE + BLANK ROLLA → ~10gal 4x yr.

AL + ELECTROSTATIC + ANM ELECTROSTATIC ETCH PAPER ~5gal 2x yr.

STORAGE

Main storage area is located west of Bldg 49

Cyanide operation has not been in use for
the last 6 mo. Used to coat parts
with Sodium cyanide.

This cyanide oper. is stored in ~~separate~~
one of several individually separate
storage areas. These areas have cement
walls surrounding them and they have
gratings which drain to double lined
holding sumps in case of spills.

These separate storage areas are used to
segregate incompatible

BLDG 28

RESEARCH LAB

MAKE

GALLIUM
ARSENIDE
WAFERS
MICROCHIPS

SOLVENTS

ISOPROPYL

1 gal yr

PICK-UP

2x day in 1 gal/week
80% of this is 1,1,1 TCA

VOL ESTIMATED
ACETONE

1 gal yr

1,1,1 TCA

~40 gal yr

SOLVENTS are stored
in 5 gal containers
(separately)
as they no longer
have an UGT
all the waste from
the labs drains
directly into
5 gal holdings.

FREON = used in 2 vapor degreasers.
One of these is new
~10 gal yr.

PHOTO PROCESS

Fix / DEVELOPER

hauled

10 gal / mo

ETCH (HF) = Treated

neutralized (NaOH)

Liquid sludge (not yet disposed)

CHEMICAL WASTE - LAB PACK ~1 x yr

BROKEN GLASS WITH ACID

grinded on top of 55 gal drum reduces vol waste

TREATMENT SYSTEM @ SOUTH END OF BLDG

Liquid comes down sump and goes into

one of 2 treatment systems

pH adjuster

neutralization (NaOH)

↓
water

No sludge build up has been noted

MDSSC HUNTINGTON BEACH - FACILITY PLOT PLAN

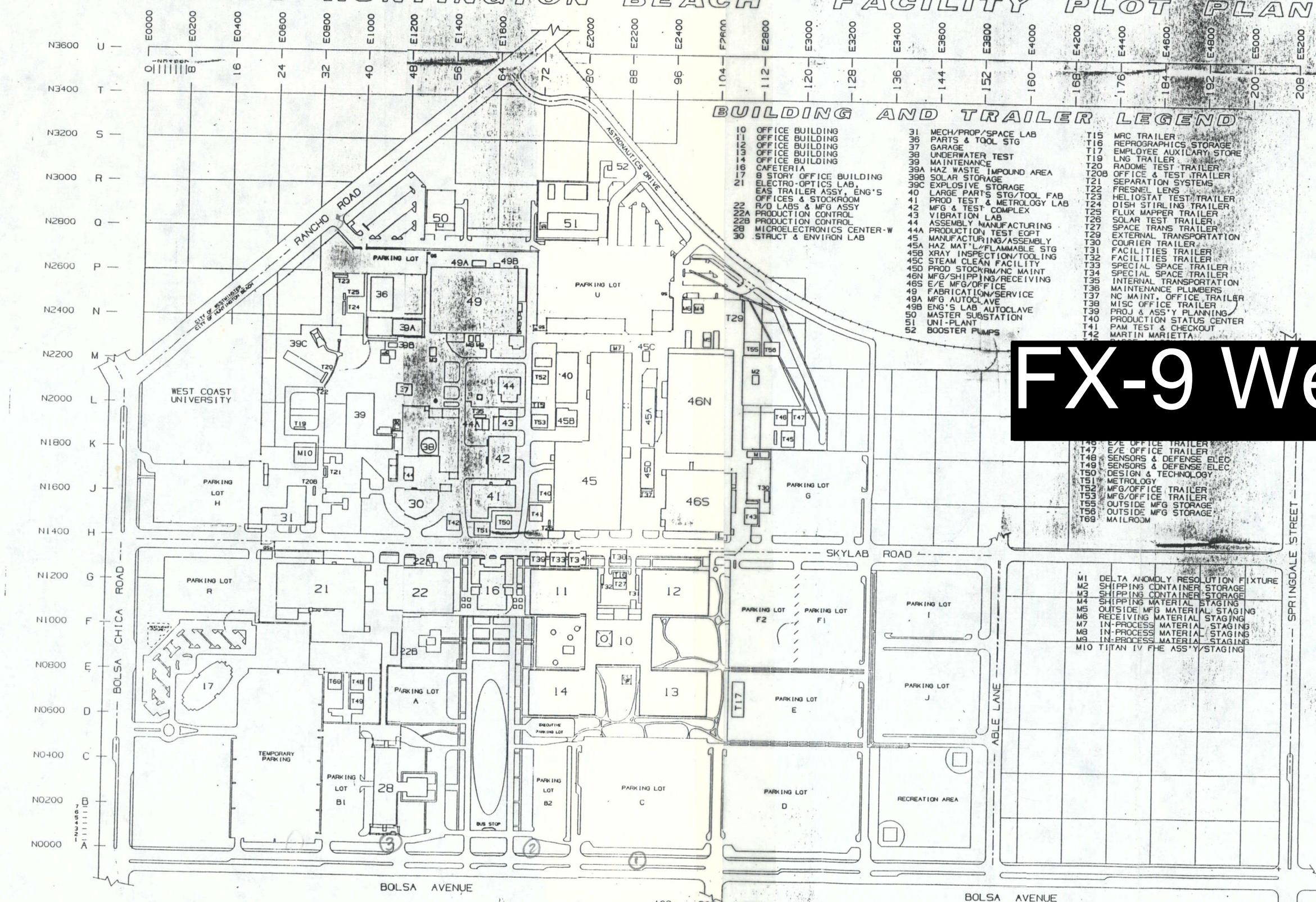
BUILDING AND TRAILER LEGEND

10	OFFICE BUILDING	31	MECH/PROP/SPACE LAB	T15	MRC TRAILER
11	OFFICE BUILDING	36	PARTS & TOOL STG	T16	REPROGRAPHICS STORAGE
12	OFFICE BUILDING	37	GARAGE	T17	EMPLOYEE MILITARY STORE
13	OFFICE BUILDING	38	UNDERWATER TEST	T19	LNG TRAILER
14	OFFICE BUILDING	39	MAINTENANCE	T20	RADOME TEST TRAILER
15	CAFETERIA	39A	HAZ WASTE IMPOUND AREA	T20B	OFFICE & TEST TRAILER
16		39B	SOLAR STORAGE	T21	SEPARATION SYSTEMS
17	8 STORY OFFICE BUILDING	39C	EXPLOSIVE STORAGE	T22	FRESNEL LENS
21	ELECTRO-OPTICS LAB, ELECTRO-TRAILER ASSY, ENG'S OPTIONS & STOCKROOM	40	LARGE PARTS STG/TOOL FAB	T23	HLI 1050 TST TEST TRAILER
22	R/D LABS & MFG ASSY	41	PROD TEST & METROLOGY LAB	T24	DISH STIRLING TRAILER
22A	PRODUCTION CONTROL	42	MFG & TEST COMPLEX	T25	FLUX MAPPER TRAILER
22B	PRODUCTION CONTROL	43	VIBRATION LAB	T26	SOLAR TEST TRAILER
26	MICROELECTRONICS CENTER-W STRUCT & ENVIRON LAB	44	ASSEMBLY MANUFACTURING	T27	SPACE TRANS TRAILER
30		44A	PRODUCTION TEST EOPT	T29	EXTERNAL TRANSPORTATION
		45	MANUFACTURING/ASSEMBLY	T30	COURIER TRAILER
		45A	HAZ MAT/L/FLAMMABLE STG	T31	FACILITIES TRAILER
		45B	XRAY INSPECTION/TOOLING	T32	FACILITIES TRAILER
		45C	STEAM CLEAN FACILITY	T33	SPECIAL SPACE TRAILER
		46	PROD STOCKRM/N/Maint	T34	SPECIAL SPACE TRAILER
		46N	MFG/STOCKPILING/RECEIVING	T35	INTERNAL TRANSPORTATION
		46S	EQUIPMENT/MFG/OFFICE	T36	MAINTENANCE PLUMBERS
		49	FABRICATION/SERVICE	T37	NC MAINT. OFFICE TRAILER
		49A	MFG AUTOCLAVE	T38	MISC OFFICE TRAILER
		49B	ENG'S LAB AUTOCLAVE	T39	PROJ & ASS'TY PLANNING
		50	MASTER SUBSTATION	T40	PRODUCTION STATUS CENTER
		51	UNI-PLANT	T41	PAN TEST & CHECKOUT
		52	BOOSTER PUMPS	T42	MARTIN MARIETTA

FX-9 Wells

T49 E/E OFFICE TRAILER
T48 E/E OFFICE TRAILER
T49 SENSORS & DEFENSE ELEC
T49 SENSORS & DEFENSE ELEC
T50 DESIGN & TECHNOLOGY
T51 METROLOGY
T52 MFG/OFFICE TRAILER
T53 MFG/OFFICE TRAILER
T55 OUTSIDE MFG STORAGE
T56 OUTSIDE MFG STORAGE
T69 MAIL ROOM

M1	DELTA ANOMOLY	RESOLUTION	FIXTURE
M2	SHIPPING CONTAINER	STORAGE	
M3	SHIPPING CONTAINER	STORAGE	
M4	SHIPPING MATERIAL	STAGING	
M5	OUTSIDE MFG. MATERIAL	STAGING	
M6	RECYCLING MATERIAL	STAGING	
M7	IN-PROCESS MATERIAL	STAGING	
M8	IN-PROCESS MATERIAL	STAGING	
M9	IN-PROCESS MATERIAL	STAGING	
M10	TITAN LV FHE ASSY	Y STAGING	

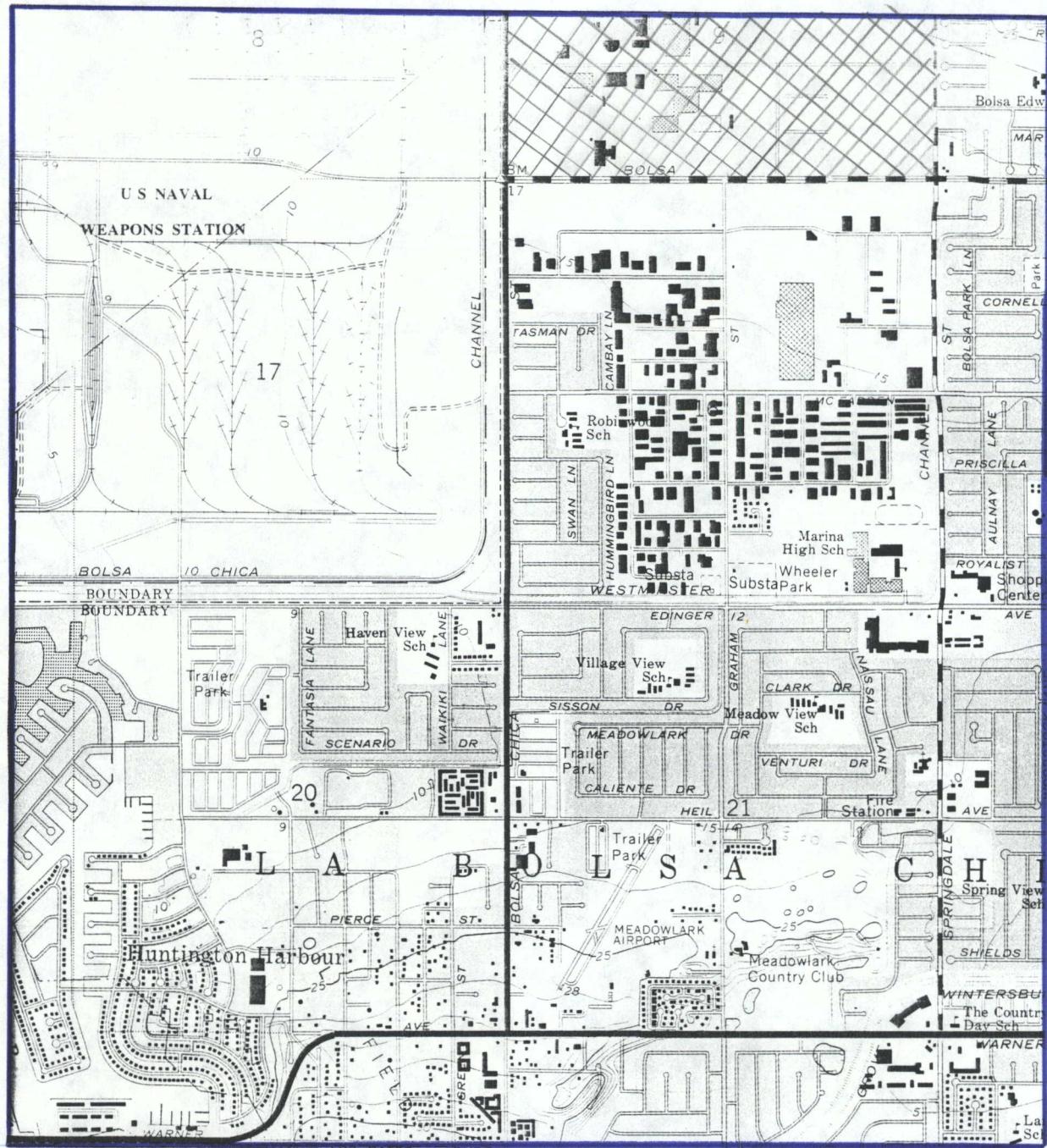


100 300 500

0 200 400 600

SCALE IN FEET

UPDATED
25 JAN 1989
GLN



SEAL BEACH, CALIF.
N3337.5—W11800/7.5

1965
PHOTOREVISED 1981
DMA 2351 II NE-SERIES V895

ORANGE COUNTY HEALTH CARE AGENT
3 HEALTH & MEDICAL SERVICES
Environmental Health
Phone # (714) 834-8175

Time In 10:00

Time Out 11:30

Determination Inspection Form

FIRM: McDonnell Douglas Astronautics EPA: CAD 008384588

ADDRESS: 5301 Buena Avenue PHONE: 896-4300 EMPLOYEES: 700

Huntington Beach, CA 92647 INSP. DATE: 11-3-88 BY: Daugherty

CONTACT: Diane Jordan TITLE: Senior Engineer Facility Environmental

SR. MANAGEMENT: C.D. Fabreau TITLE: Director of Facilities

BASIC OPERATION: Maintenance of aerospace parts & vehicles

Machining oils & coolants / Cr + Ni plating / painted

Countboards - Cu, Ni, Au, greasing, passing, modifying

Underground tanks - 3 waste (10,000 gal Solvent; 1200 gal; 5000 gal hexane)

10-12 manifest month also with:

Weld Krebs - foreman, Plan + Maintenance 896-2424

T.M. Robinson - Asst Foreman, 896-4861

CEDOC Permit # 11-100 R.J. Hollenbeck - Industrial

CHEMICALS USED: 1500 MSDS / 896-3178 Hygienist

Chemical storage area is partly covered - many drums
of hazardous waste in uncovered area - covered area with 14
compartments, all with floor traps - entire area fenced, properly
signed in English and Spanish, with drum crusher, vacuum unit,
sorbent, sand and absorbent filled drums available

MSD - Available: No Yes Copies Attached: No Yes

WASTE STREAMS

GENERATING PROCESS: One attached / hot oil machine oils & coolants -
Solvent recovered, most to B14 - have Solvent oil Treatment
System now online // Flue scrubber waste → neutralization
System // lab chemicals, 139 waste listed on recent inventory,
and filled to tank - disposed of in "lids pack" drums

INSPECTOR

RECEIVED BY:

ORANGE COUNTY HEALTH CARE AGENCY
PUBLIC HEALTH AND MEDICAL SERVICES
DIVISION OF ENVIRONMENTAL HEALTH

Determination Inspection Report (Continued)

Waste types

Handlers

- Waste plating sludge
(from Laboratory treatment)
 - Organic Solvents
 - Cu etchant (Printed Circuit boards)
 - acids
 - alkaline sludge
 - Water soluble solvents
 - Cutting oils
 - Lubricating oils
- Handlers
- IT
J.C. Inc
Industrial waste
Engineering
- BKK
Carnaca
Kittelmaier
Broco Inc
(Fragiles, explosive etc)
- O.I. Process Co
Industrial waste
Engineering
- reclaimed

if want quantities of waste - request in written

Sheath water and I chrome distinct system - pretreatment for sewage
observed
① chrome treatment (heat, pH, chlorine bath) - 20° S: 5: 5: 5
(no rinsing) - dump tank

② Laboratory waste System

③ Printed Circuit board

Jeffrey J. Dang
Inspector

Reese Stock
Received By:

COUNTY OF ORANGE
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH
WASTE MANAGEMENT SECTION

UST Cleanup

H.W. Site Cleanup

CLEANUP ACTIVITIES REPORT

Company Name: McDonnell-Douglas

Address: 5301 Balboa Ave.

City: Huntington Beach

Contact Person(s): Deanne Jordan

Phone: 896-3848

Doug Garfield

Kennedy, Jenks, Chilton 261-157

Date	Inspector	ACTIVITIES/COMMENTS
9/10/87	SH	<p>Attended meeting at Mc-Douglas. Reviewed project and initial proposals for further investigation were discussed. I explained that we need to speed up the pace of investigation. Deanne indicated that Mc-D corporate counsel needs ~ a month to review reports/proposals. I suggested we cut down on this period as much as possible in order to push the project forward, and that I would confer w/ Hause. They feel that they need to assess the site in more detail before proceeding to propose mitigation. Mc-D safety officials are aware of the problem and have checked facilities for vapor accumulation. OK so far. Our immediate concern are for safety at the site: fire danger and exposure to γ [radioactive]</p> <ul style="list-style-type: none"> ① Safety at the site: fire danger and exposure to γ [radioactive] ② Impact of contaminants on P. See meeting notes, 9/10/87. <p>Press release meeting w/ Sue Miller. Reviewed and edited press release.</p>
9/22	SH	
9/25	SH	<p>Recd from O.C. Water Dist call. Have initiated 1x month monitoring of nearby well. Sent her SW location maps per her request.</p>
9/28	SH	<p>Received letter received from Deanne (9/1/87) re: explosion/fire hazard survey conducted by Kennedy, Jenks, and Chilton. Hazard is very minimal based on their results.</p>
10/5	SH	<p>Received copy of L.A. Times article from Sue Miller</p>
10/5	SH	<p>Tried to call Deanne for status. No answer. We need timetable for report submitted, workshop, etc.</p>
10/6	SH	<p>Bob Meanyman requested update. Prepared memo.</p>

SOLID WASTE INFORMATION SYSTEM
FACILITY INVENTORY INFORMATION

1. FACILITY FILE NO.	2. CITY CODE	3. CAT.	4. DATE PREPARED	5. FORM STATUS
<u>30 37 0194</u> CO. SIC. NO.	<u>1300</u>	<u>21</u>	<u>12 02 82</u> MONTH DAY YEAR	Add Change Delete <input checked="" type="checkbox"/> X <input type="checkbox"/> C <input type="checkbox"/> D

6. FACILITY NAME:

MCDONNELL DOUGLAS ASTRONAUTICS

7. FACILITY LOCATION (STREET, ROAD, OR LOCATION DESCRIPTION)

5301 BOLSA

8. CITY <u>HUNTINGTON BEACH</u>	9. STATE <u>CA</u>	10. ZIP <u>92649</u>
------------------------------------	-----------------------	-------------------------

11.

12.

LATITUDE: <input type="text"/> DEG. <input type="text"/> MIN. <input type="text"/> SEC.	LONGITUDE: <input type="text"/> DEG. <input type="text"/> MIN. <input type="text"/> SEC.
---	--

13.

14.

SECTION: <input type="text"/>	TOWNSHIP: <input type="text"/>	RANGE: <input type="text"/>	BASE & MERIDIAN: <input type="text"/> M, <input type="text"/> D
-------------------------------	--------------------------------	-----------------------------	---

15. OPERATOR/CONTACT NAME:

16. TELEPHONE NUMBER:

C.D.FAUREAU, DIR. PLANT ENG.714 896 2230

AREA C.

NUMBER

17. OPERATOR/CONTACT ADDRESS:

18. CITY:

19. STATE:

20. ZIP:

21. LAND OWNER NAME:

23. LAND OWNER ADDRESS:

24. CITY:

25. STATE: 26. ZIP:

WP

SOLID WASTE INFORMATION SYSTEM (SWIS)
FACILITY BACKGROUND INFORMATION

FACILITY FILE NUMBER COUNTY SIC NO.	COUNTY	DATE PREPARED
30 - 37 - 0194	ORANGE	12-2-82

FACILITY NAME:

MCDONNELL DOUGLAS ASTRONAUTICS

WASTE RELATED INFORMATION (2\$\$\$\$)

A. HAZARDOUS WASTE TYPES

(20501) ACETYLENE-----	(20550) HEAVY METALS-----
(20502) ACID-----	(20551) HYDROCARBONS-----
(20503) ADHESIVE-----	(20552) HYDROXIDE-----
(20504) AFU FLOC-----	(20553) INK WASTES-----
(20505) ALCOHOLS-----	(20554) KIESULGUHR CLAY-----
(20506) ALKALINE-----	(20555) LAPPLING COMPOUND-----
(20507) ALKALINE STRIPPING COMPOUND-----	(20556) LIME-----
(20508) ALKALINE TANK BOTTOM SEDIMENT-----	(20557) MEDICAL WASTES-----
(20509) ALUM FLOC-----	(20558) MERCAPTANS-----
(20510) ALUM-----	(20559) METAL DUST-----
(20511) ALUMINUM DUST-----	(20560) MINE TAILINGS-----
(20512) ASBESTOS BAGS, EMPTY-----	(20561) OIL WASTES-----
(20513) ASBESTOS-----	(20562) OXIDIZER-----
(20514) ASP FILTER CAKE-----	(20563) PAINT AND PIGMENT-----
(20515) BATTERY ACID-----	(20564) PESTICIDE CONTAINERS-----
(20516) BILGE WATER-----	(20565) PESTICIDE RINSE WATER-----
(20517) BINDER SOLIDS-----	(20566) PESTICIDES-----
(20518) BLASTING SANDS-----	(20567) PHENOL WASTES-----
(20519) CAPACITORS ELECTRICAL-----	(20568) PHOTOGRAPHIC BLEACH-----
(20520) CATALYST-----	(20569) PHOTO PROCESSING WASTES-----
(20521) CAUSTIC SODA-----	(20570) PHOTORESIST STRIPPER-----
(20522) CENTRIFUGE SOLIDS-----	(20571) PICKLING LIQUORS-----
(20523) CHLORINATED HYDROCARBONS-----	(20572) PLATING WASTES-----
(20524) CHROME SLUDGE-----	(20573) POLLUTION CONTROL EQUIPMENT RESIDUES-----
(20525) CLARIFIER SLUDGE-----	(20574) POLYCHLORINATED BIPHENYLS (PCBs)-----
(20526) COKE-----	(20575) POLYMER-----
(20527) COOLANT, MACHINE TOOL-----	(20576) POLYMERIC COATING WASTES-----
(20528) COPPER WATER-----	(20577) POLYSTYRENE-----
(20529) COPPER COPPER STRIO SOLUTION-----	(20578) POLYVINYL CHLORIDE (PVC)-----
(20530) CORROSION INHIBITOR-----	(20579) RADIOACTIVE WASTES-----
(20531) CYANIDE SOLUTION-----	(20580) RESIN SALTS-----
(20532) DETERGENTS-----	(20581) RESIN RINSE WATER-----
(20533) DISTILLATION BOTTOMS-----	(20582) RESIN WASTE-----
(20534) DRILLING MUDS-----	(20583) SEALANT-----
(20535) DRUGS-----	(20584) SMELTING WASTES-----
(20536) DRUG CONTAMINATED WASTES-----	(20585) SOAP WASTES-----
(20537) DYES-----	(20586) SOLVENTS-----
(20538) EPOXY-----	(20587) SPENT CAUSTICS-----
(20539) EXPLOSIVES-----	(20588) STILL BOTTOMS-----
(20540) FATTY ALCOHOL SOAP STOCK-----	(20589) STRETFRD SOLUTION-----
(20541) FCC WASTE-----	(20590) SULFIDE-----
(20542) FUEL WASTE-----	(20591) SUMP SEDIMENT-----
(20543) FLUX-----	(20592) TANNING WASTES-----
(20544) FLY ASH-----	(20593) TETRAETHYL LEAD (TEL)-----
(20545) GASOLINE AND WATER-----	(20594) THINNER-----
(20546) GEOTHERMAL WASTE-----	(20595) VINYL ADHESIVE-----
(20547) GLAZE SLUDGE-----	(20596) WASTEWATER-----
(20548) GLUE-----	(20597) WASTEWATER TREATMENT SLUDGE-----
(20549) HAIR PULP-----	(20598) OTHER-----

: "TOXICS"

REFERENCES

ASP QUESTIONNAIRE

SOLID WASTE INFORMATION SYSTEM
OVERSIGHT ACTIONS REPORTING FORM

1. FACILITY FILE NUMBER <u>3D 137 10194</u> CO. SIC NO.	2. PROG. CODE <u>I H</u>	3. COUNTY <u>ORANGE</u>	4. DATE PREPARED <u>12 02 82</u> MO. DAY YEAR
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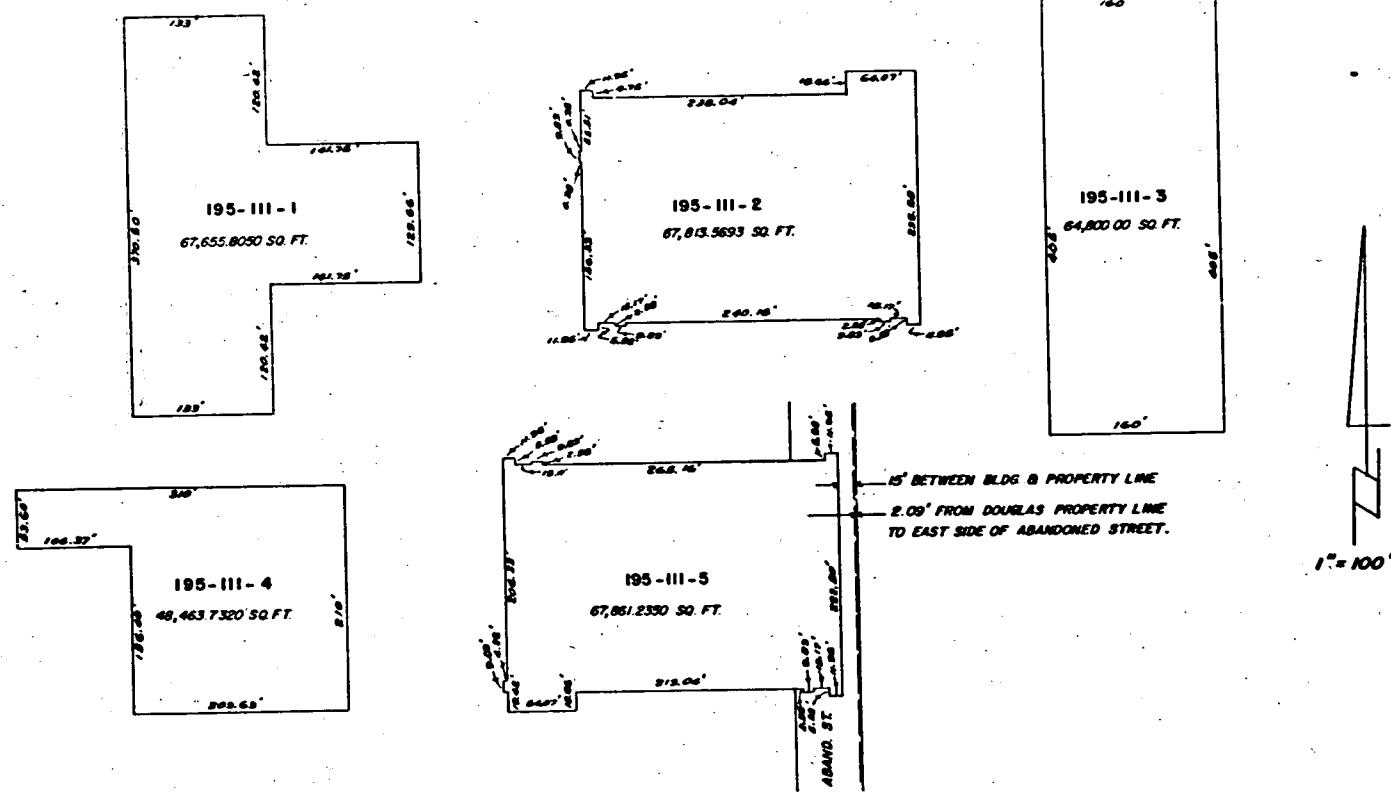
5. FACILITY FILE NAME:

MCDONNELL DOUGLAS ASTRONAUTICS

6. ACT. CODE	7. SUB' CODE	8. ACT. DATE MO. DAY YEAR	9. COMMENTS
<u>2101</u>	<u>0,0</u>	<u>08.01.81</u>	ID U.I.A. OLD PHONE BOOK, SEARCH
<u>2108</u>	<u>0,0</u>	<u>08.01.81</u>	MISSILE, MFG. ONSITE, IN 1963
<u>2108</u>	<u>0,0</u>	<u>05.16.82</u>	Q'NAIRE SENT
<u>2108</u>	<u>0,0</u>	<u>06.02.82</u>	Q'NAIRE RETURNED
<u>2102</u>	<u>0,0</u>	<u>08.12.82</u>	LARGE COMPLEX, SITE SECURED
<u>2108</u>	<u>0,0</u>	<u>12.02.82</u>	Q'NAIRE RESPONSE INDICATES THAT PRE-197
<u>2108</u>	<u>0,0</u>	<u>12.02.82</u>	HAZ. WASTE DISPOSAL METHODS UNKNOWN FOR
<u>2108</u>	<u>0,0</u>	<u>12.02.82</u>	ACIDS/CAUSTICS/TOXICS/SOLVENTS, ETC.
<u>2108</u>	<u>0,0</u>	<u>12.03.82</u>	SINCE A.S.P. PROJECT IN ORANGE CTY, RAN ON
<u>2108</u>	<u>0,0</u>	<u>12.03.82</u>	REFER TO A.S.P. HWMB-SACTD
<u>2118</u>	<u>0,0</u>	<u>12.03.82</u>	REQUIRES FOLLOW-UP; ONSITE INSPECTION
<u>2118</u>	<u>0,0</u>	<u>12.03.82</u>	COMPANY RECORDS CHECK

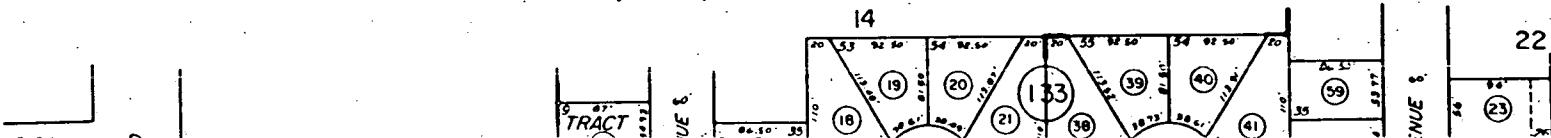
REFERENCE MAP

195- 11



POR. NW 1/4, N.E. 1/4, N.E. 1/4, SEC. 9, T.5S., R.11W.

195- 13



9-75
2-75

BULSA AV	MAILING ADDRESS	PARCEL NO.	PI	PA	L/L SIZE	PARKING	MAILS	VAL-FAC
5082 HTB RREEF-IV INC 1630 S SUNKIST ST-SUITE B	IM, CA	92806 CR	P0128	2 49	IND 79	36135	7/25/80 \$5,260,0000	
			145-014-54	512	3.0A	816,803	\$1,474,186-81	



ADDRESS REGISTER

04-88 EDITION

0 15
(714) 385-2345
(1800) 527-9663

OWNER NAME MAILING ADDRESS	PHONE NO.	ZIP VST EX	TRACT	LOT BLOCK	TYP	YR	ROOM CT	SQ FT-F	DATE	TFR	VAL-CD
			PARCEL NO.	PI	PA			LOT SIZE	PARKING	TAXES	TAX VAL-YR
5122 HTB RREEF-IV INC 1630 S SUNKIST ST-SUITE B	92806 CR	P0128	3 49	IND 79				61635	7/25/80	\$28,556	\$2,505,226-81
			145-014-55	60%				4.1A			
5192 HTB LICATA PAUL J 3356 W BALL RD #109	92804 JT	P0136	1 45	COM 78				16880	1/25/80	\$6,215	\$545,320-80
			145-014-52	69%				1.1A			
5232 HTB LICATA ALFONSO 15691 BUTTERFIELD ST	92683 JT	P0136	2 45	IND 78				24240	1/25/80	\$8,713	\$764,386-80
			145-014-51	68%				1.5A			
5252 HTB BECKER NICK ET AL 15495 GRAHAM ST	92649 EA	P0106	2 23	IND 80				35015	6/01/78	\$300,000F	\$21,555 \$1,890,990-81
			145-014-35	82%				2.2A			
5291 HTB MC DONNELL DOUGLAS CORP CORPORATE TAX DEPT-P O BOX 516	63166 BL	S0005	9 11	IND 100.2A					9/22/67	\$44,023	\$3,862,097-75
			195-111-07	15%							
5301 HTB DOUGLAS REALTY CO INC CORPORATE TAX DEPT-P O BOX 516	63166 BL	S0005	9 11	IND 1.6A					8/22/75	\$576	\$50,546-75
			195-111-01	49%							
5301 HTB MC DONNELL DOUGLAS CORP P O BOX 516	63166 CR	S0005	9 11	IND 139.5A					3/02/75	\$24,332	\$9,099,873-75
			195-111-06	49%							
5602 HTB KACOR REALTY INC ATTN BETTY TAYLOR-P O BOX 308	92008 CR	9879	4	IND 20048					VAC-LAND	\$2,856	\$250,600-87
			145-541-04								
5632 HTB KACOR REALTY INC ATTN BETTY TAYLOR-P O BOX 308	92008 CR	9879	5	IND 20048					VAC-LAND	\$8,876	\$778,760-87
			145-541-05	68%							
5672 HTB KACOR REALTY INC ATTN BETTY TAYLOR-P O BOX 308	92008 CR	9879	6	IND 20048					VAC-LAND	\$7,698	\$675,410-87
			145-541-06	63%							
5702 HTB KACOR REALTY INC ATTN BETTY TAYLOR-P O BOX 308	92008 CR	9879	7	IND 20048					VAC-LAND	\$9,361	\$821,300-87
			145-541-07	69%							
5762 HTB KAISER DEV CX N E W * O W N E R-SEE SITUS ADDRESS		P0159	1 11	COM 2.9A					VAC-LAND	\$57,060	\$5,005,800-87
			145-531-23	69%							
5992 HTB BECKER NICK N E W * O W N E R-SEE SITUS ADDRESS		P0159	6 11	IND 1.0A					VAC-LAND	\$8,022	\$703,800-86
			145-531-30								
6002 HTB SUNRISE PROPERTIES INC 445 S FIGUEROA ST	90071 CR	P0049	1 9	OFF 31680					1/28/88	\$175,000F	\$3,676 \$322,497-80
			145-364-17	37%							
6041 HTB HENDIFAR PAUL E (213) 329-9544	90247 JT	S0005	10 11	COM 1.1A					12/20/78	\$290,000F	\$9,311 \$834,429-85
			195-053-17	60%							
6042 HTB FERLITA JAMES A FAMILY HEALTH CENTER	92706 SM	P0062	1 41	OFF 11880					10/02/78	\$300,000F	\$4,510 \$395,685-82
			145-364-18	49%							
6432 HTB SCHMIDT GARY T TR 240 OCEAN VIEW AVE	92663 EA	3846	297	COM 3526					5/02/86	\$1,776	\$155,846-79
			145-202-57	81%							
6472 HTB FOODMAKER INC P O BOX 783	92112 CR	3846	297	COM 12447					2226	10/13/78	\$490,518-86
			145-202-59	45%							

OWNER NAME MAILING ADDRESS	PHONE NO.	ZIP VST EX	TRACT	LOT BLOCK	TYP	YR	ROOM CT	SQ FT-F	DATE	TFR	VAL-CD	
			PARCEL NO.	PI	PA			LOT SIZE	PARKING	TAXES	TAX VAL-YR	
6502 HTB STAFAC INC WESTERN TAX REGION-P O BOX 2099	77252 BL	S0005	15 11	SS 22500				1568		\$2,354	\$206,590-75	
			145-211-54	39%								
6522 HTB PLATT VERNON HARRY 16089 OAK TREE CROSSING	91709 MM	S0005	15 11	COM 18116				18116		\$16,767	\$1,471,000-87	
			145-211-56	50%								
6886 HTB T/H ASSOCIATES X-FAR WEST SERVICES-P O BOX 19561	92713 PT	P0055	1 32	COM 22055				5907	6/27/74	\$450,000F	\$4,108 \$360,390-75	
			145-231-18	77%								
BOLSA AV	OWNER NAME MAILING ADDRESS	PHONE NO.	ZIP VST EX	TRACT	LOT BLOCK	TYP	YR	ROOM CT	SQ FT-F	DATE	TFR	VAL-CD
			PARCEL NO.	PI	PA			LOT SIZE	PARKING	TAXES	TAX VAL-YR	
7750 MCTY CAMPBELL DANIEL 7750 BOLSA AVE. #1	92655 UM	8 10145	1 78	RES 5/11/87				932-1		\$80,000F	\$81,605-80	
			936-18-001	42%								
7750 MCTY MINCHELLA ANGELO 7750 BOLSA AVE #2	92655 EA	8 10145	1 618	RES 10/03/79				1292-2		\$97,275-84	\$1,071	
			936-18-002	61%								
7750 MCTY SAVIDGE EDMOND (714) 897-3118	92655 JT	H 10145	1 583	RES 7/11/79				1292-2		\$73,000F	\$82,745-80	
			936-18-003	54%								
7750 MCTY BREMER ROBERT J (213) 434-1187	90803 JT	10145	1 584	RES 7/11/79				1292-2		\$73,000F	\$82,745-80	
			936-18-004	54%								
7750 MCTY PASCUAL DONNA KAY 7750 BOLSA AVE #5	92655 WS	H 10145	1 548	RES 10/10/86				1292-2		\$16,000F	\$898 \$87,500-87	
			936-18-005	54%								
7750 MCTY ARMSTRONG JUANITA M 7750 BOLSA AVE #6	92655 UW	H 10145	1 518	RES 9/18/85				932-1		\$85,500F	\$88,209-86	
			936-18-006	51%								
7750 MCTY TOPPING JAMES A 7750 BOLSA AVE #7	92655 EA	8 10145	1 478	RES 9/23/86				1292-1		\$90,000F	\$890,000-87	
			936-18-007	47%								
7750 MCTY MC STROUL LINDA 7750 BOLSA AVE #8	92655 SW	8 10145	1 532	RES 9/23/86				1292-2		\$88,432-85	\$88,432-85	
			936-18-008	53%								
7750 MCTY MITCHELL SHIRLEY M 7750 BOLSA AVE #9	92655 SW	H 10145	1 558	RES 10/11/86				1292-2		\$87,000F	\$88,432-85	
			936-18-009	55%								
7750 MCTY MAUCH DANNY J 7750 BOLSA WAY #10	92655 MW	8 10145	1 67%	RES 10/11/86				1292-2		\$16,000F	\$88,432-85	
			936-18-010	67%								
7750 MCTY FLY NORMA MARIE 7750 BOLSA WAY #11	92655 NO	H 10145	1 547	RES 10/11/86				1292-2		\$82,745-80	\$82,745-80	
			936-18-011	54%								

HTB 14-75	INMAN LELAND L •WESTMINSTER, CAL TR 1990 LOT 7	*6092 CHINOOK AVE 92683	H-BL (714) 897-9655	195-103-07 RES ATACHD	1221-1 6-3-1.5 7,228	\$511 609C \$13,918 \$16,098	CHINOOK AV WSTM \$30,016-75
HTB 00-F 29-86	STANEART EDWARD V •WESTMINSTER CA TR 1990 LOT 8	*6102 CHINOOK AVE. 92683	HU (714) 892-6709	195-103-08 RES ATACHD	1380 7-4-1 7,228	\$290 6102 2/01/88 88-045850-G	CHINOOK AV WSTM \$13,918 \$14,195

MASTER FILE BY PARCEL NUMBER 04-88 EDITION										G 16
california real estate register inc. a unit of TRW		(714) 385-2345 (1800) 527-9663								
OWNER	ADDRESS / CARE OF	EX-VST HC/STS	ZIP PHONE	PARCEL NO.	TYPE PARKING A P	SO.FT.-F ROOM CT. LOTSIZE	TAXES DATE DOCUMENT-X	SITUS	ADDRESS LAND VAL IMP VAL	CITY TFR VAL FULL VAL-YR
HTB 395-75	RAPPAZZINI JOHN F •WESTMINSTER, CAL TR 1990 LOT 9	*6112 CHINOOK AVE 92683	H-BL ATACHD	195-103-09 RES 1954	992-1 6-3-1.0 7,228	\$319 6112	CHINOOK AV \$13,918 \$16,831	WSTM	\$30,749-75	
HTB 000-F 564-79	BARRY RICHARD A •WESTMINSTER, CAL TR 1990 LOT 10	*6122 CHINOOK AVE 92683	BL ATACHD	195-103-10 RES 1954	992-1 6-3-2.0 7,228	\$380 6122	CHINOOK AV \$13,918 \$15,542	WSTM	\$29,460-75	
HTB 000-F 083-79	NOBLE LENA B •WESTMINSTER, CA TR 1990 LOT 11	*6132 CHINOOK AVE 92683	H-WD (714) 893-4681	195-103-11 RES 1954	941-1 6-3-1.0 7,592	\$276 6132 8/14/80 137011995-U	CHINOOK AV \$14,055 \$12,805	WSTM	\$26,860-75	
HTB 000-F 900-87	DOUGLAS REALTY CO INC •P O BOX 516 SEC 9 T 5 R 11 POR OF SW1/4 - AS DESC IN PARCEL 1	*CORPORATE TAX DEPT •ST LOUIS, MO 63166	BL	195-111-01 IND	VAC-LAND 1.6	\$576 5301	BOLSA AV \$50,546	HTB	\$50,546-75	
HTB 000-F 750-87	DOUGLAS REALTY CO INC •P O BOX 516 SEC 9 T 5 R 11 POR OF SW1/4 - AS DESC IN PARCEL 2	*CORPORATE TAX DEPT •ST LOUIS, MO 63166	BL	195-111-02 IND	VAC-LAND 1.6	\$576 5301	SITUS PENDING \$50,546	HTB	\$50,546-75	
HTB 000-F 543-81	DOUGLAS REALTY CO INC •P O BOX 516 SEC 9 T 5 R 11 POR OF SW1/4 - AS DESC IN PARCEL 3	*CORPORATE TAX DEPT •ST LOUIS, MO 63166	BL	195-111-03 IND	VAC-LAND 1.5	\$554 5301	SITUS PENDING \$48,635	HTB	\$48,635-75	
HTB .168-76	DOUGLAS REALTY CO INC •P O BOX 516 SEC 9 T 5 R 11 POR OF SW1/4 - AS DESC IN PARCEL 4	*CORPORATE TAX DEPT •ST LOUIS, MO 63166	BL	195-111-04 IND	VAC-LAND 1.1	\$412 5301	SITUS PENDING \$36,215	HTB	\$36,215-75	
HTB .284-75	DOUGLAS REALTY CO INC •P O BOX 516 SEC 9 T 5 R 11 POR OF SEC - AS DESC IN PARCEL 5 OF	*CORPORATE TAX DEPT •ST LOUIS, MO 63166	BL	195-111-05 IND	VAC-LAND 1.6	\$576 5301	SITUS PENDING \$50,546	HTB	\$50,546-75	
HTB .284-75	MC DONNELL DOUGLAS CORP •P O BOX 516 SEC 9 T 5 R 11 139.518 AC M/L IN SEC	CR 63166	195-111-06 IND		826,332 5301 3/6/27/75 1893800EF	BOLSA AV \$4,555,110 \$6,723,420	HTB	\$9,099,873-75		
HTB .538-75	MC DONNELL DOUGLAS CORP •P O BOX 516 SEC 9 T 5 R 11 IRREG 100.22 AC M/L IN SEC - INC POR	BL 63166	195-111-07 IND		\$44,023 5291 9/22/67 083810144	BOLSA AV \$3,272,275 \$589,822	HTB	\$3,862,097-75		
HTB .538-75	CITY OF HUNTINGTON BEACH •CITY HALL •HUNTINGTON BCH, CAL SEC 9 T 5 R 11 POR SE1/4 FRACT SEC AS PER DD	X-XX 92648	195-112-01 WHX		4.0		SITUS PENDING \$165,761 \$690,713	HTB	\$856,474-75	
HTB .728-78	DOUGLAS REALTY CO INC •P O BOX 516 SEC 9 T 5 R 11 POR SE1/4 FRACT SEC AS DESC IN DD	X-XF 63166	195-112-03 WHX	VAC-LAND 4,500	2/29/76 083710987		SITUS PENDING \$5,748	HTB	\$5,748-75	
HTB .500-L .146-81	DOUGLAS REALTY CO INC •P O BOX 516 SEC 9 T 5 R 11 61.88 AC M/L IN SE1/4 FRACT SEC	BL 63166	195-112-04 IND	VAC-LAND 61.9	\$23,045		SITUS PENDING \$2,021,792	HTB	\$2,021,792-75	
HTB .718-75	DANTE MARROCCO TRUST •RANCHO PALOS VERDES SEC 9 T 5 R 11 POR NE1/4	*6027 VIA SONOMA 90274	195-131-03 COM		\$3,384 5830 8/03/83 83-335264-6	WESTMINSTER BL WSTM \$249,988 \$12,526	HTB	\$262,514-75		

MASTER FILE BY PARCEL NUMBER 04-88 EDITION										H 16
california real estate register inc. a unit of TRW		(714) 385-2345 (1800) 527-9663								
OWNER	ADDRESS / CARE OF	EX-VST HC/STS	ZIP PHONE	PARCEL NO.	TYPE PARKING A P	SO.FT.-F ROOM CT. LOTSIZE	TAXES DATE DOCUMENT-X	SITUS	ADDRESS LAND VAL IMP VAL	CITY TFR VAL FULL VAL-YR
5 5-2345 7-9663	IVEY AUTHOR P JR •WESTMINSTER, CA TR 7157 LOT 1	*5741 LANCASHIRE AVE 92683	H-JT (714) 891-1614	195-131-04 RES ATACHD	1470-1 7-3-2.0 4,892	\$941 5741 5/12/78 126711704-G	LANCASHIRE AV \$43,106 \$44,779	WSTM	\$76,000-F \$87,885-79	
HTB 19,500-F 19,500-87	POPP LARRY F •WESTMINSTER, CA TR 7157 LOT 2	*5751 LANCASHIRE AVE 92683	H-UM 92683	195-131-05 RES ATACHD	1747-1 8-4-2.0 4,872	\$1,613 5751 7/02/81 84-234335-6	LANCASHIRE AV \$52,507 \$78,678	WSTM	\$58,000-L \$131,185-82	
HTB 11,000-F 12,361-85	BLUM WILLIAM A •WESTMINSTER, CAL TR 7157 LOT 3	*5771 LANCASHIRE AVE 92683	H-JT 92683	195-131-06 RES ATACHD	1617-1 8-4-2.0 4,872	\$457 5771 8/24/73 108680283	LANCASHIRE AV \$14,797 \$28,674	WSTM	\$7,500-F \$43,471-75	
HTB 09,532-85	WONG KAI M •WESTMINSTER, CAL TR 1862 LOT 1	*5781 LANCASHIRE AVE 92683	H-JT 92683	195-131-38 RES ATACHD	1470-1 7-3-2.0 4,727	\$448 5781 1/21/72 099730251	LANCASHIRE AV \$14,797 \$27,840	WSTM	\$29,000-F \$42,637-75	
HTB 54,000-F 53,108-77	HALL JACKSON M •WESTMINSTER, CAL TR 1862 LOT 2	*5791 LANCASHIRE AVE 92683	H-JT 92683	195-131-39 RES ATACHD	1470-1 7-3-2.0 4,872	\$524 5791 6/11/73 107420193	LANCASHIRE AV \$14,797 \$27,840	WSTM	\$35,000-F \$42,637-75	
HTB 36,000-F 32,248-80	SCHLOBOHM ALVIN C •WESTMINSTER, CAL TR 1862 LOT 3	*5801 LANCASHIRE AVE 92683	H-JT 92683	195-131-40 RES ATACHD	1617-1 8-4-2.0 4,872	\$549 5801 4/25/74 111271029	LANCASHIRE AV \$14,797 \$37,124	WSTM	\$39,000-F \$51,921-75	
HTB 11,000-F 17,791-84	RIZER JOSEPH C •WESTMINSTER, CAL TR 1862 LOT 4	*5811 LANCASHIRE AVE 92683	H-JT (714) 893-2670	195-131-41 RES ATACHD	1555-1 8-4-2.0 4,872	\$457 5811 11/16/71 098890394	LANCASHIRE AV \$14,797 \$28,627	WSTM	\$30,000-F \$43,424-75	
HTB 76,000-F 80,155-80	SPROUSE BURTON F •WESTMINSTER, CAL TR 1862 LOT 5	*5821 LANCASHIRE AVE 92683	H-JT (714) 898-9165	195-131-42 RES ATACHD	1404-1 7-3-2.0 4,727	\$698 5821 5/31/77 122181667	LANCASHIRE AV \$39,030 \$38,979	WSTM	\$68,500-F \$85,009-78	
HTB 33,500-F 22,149-81	BAU DAVID C •WESTMINSTER, CA TR 1862 LOT 6	*5831 LANCASHIRE AVE. 92683	HU 92683	195-131-43 RES ATACHD	1470-1 7-3-2.0 4,872	\$581 5831 11/19/87 87-650141-G	LANCASHIRE AV \$22,130 \$32,713	WSTM	\$160,000-F \$84,843-76	
HTB 82,081-79	HOFFMAN TIMOTHY •WESTMINSTER, CA TR 1862 LOT 7	*5841 LANCASHIRE AVE 92683	HU 92683	195-131-44 RES ATACHD	1617-1 8-4-2.0 4,872	\$659 5841 12/17/87 87-696901-G	LANCASHIRE AV \$14,797 \$28,613	WSTM	\$167,000-F \$43,610-75	
HTB	GALLAGHER DONALD J •WESTMINSTER, CAL	*5851 LANCASHIRE AVE 92683	H-JT 92683	195-131-45 RES	1556-1 8-4-2.0	\$455 5851 12/30/71 122181703	LANCASHIRE AV \$14,797 \$28,613	WSTM	\$30,000-F \$43,610-75	

OWNERS REGISTER

04-88 EDITION

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800-527-96632345
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VAL-YR

OWNER NAME & MAILING ADDRESS	ZIP VST	SITUS OR LEGAL	CITY PARCEL-N.	X T	DATE	TFR	VAL	PI	TBLVAL-YR	NAME
MC DONALD'S CORP • MCDONALDS CORP 004/0077-P O BOX 66207 AMF	60666 CR	5900 BEACH BL	BPK	066-181-29	C	MISC	67	449,972-84	RC GEE	
MC DONALD'S CORP • MCDONALDS CORP 004/1263-P O BOX 66207 AMF	60666 CR	1500 S HARBOR BL	ANA	082-170-33	C	MISC	33	1,941,-85	RC GEE	
MC DONALD'S CORP • MCDONALD'S S 004/1163-P O BOX 66207 AMF	60666 CR	161 LT 25 BK		319-311-29	C	MISC	4	1,285,-86	RC GEE	
MC DONALD'S CORP • MCDONALDS CORP 004/0208-P O BOX 66207 AMF	60666 CR	1445 N BRISTOL ST	SA	005-012-45	C	1-80	142,500L	5	32,410-80	RC GEE
MC DONALD'S CORP • MCDONALDS CORP 004/0208-P O BOX 66207 AMF	60666 CR	1439 N BRISTOL ST	SA	005-012-46	C	1-80	142,500	79	360,075-82	RC GEE
MC DONALD'S CORP • #1055/04-P O BOX 66207 AMF O'HARE-CHICAGO	60666 CR	23742 ROCKFIELD BL	ELTR	617-472-03	I	5-80	644,500F	69	497,359-81	RC GEE
MC DONALD'S CORP • MCDONALDS CORP 004/0033-P O BOX 66207 AMF	60666 CR	1839 W CHAPMAN AV	DR	039-331-15	C	1-81	5,000F	67	267,852-75	RC GEE
MC DONALD'S CORP • MCDONALDS CORP 004/0136-P O BOX 66207 AMF	60666 CR	801 E WHITTIER BL	LAM	303-083-08	C	6-82	230,000F	61	445,901-83	RC GEE
MC DONALD'S CORP • MCDONALDS CORP 004/0136-P O BOX 66207 AMF	60666 CR	16891 A ST	HTB	107-100-58	C	5-83	94,000F		99,752-84	RC GEE
MC DONALD'S CORP • MCDONALDS CORP 004/1236-P O BOX 66207 AMF	60666 CR	16901 A ST	HTB	107-100-76	C	5-83	94,000F		99,752-84	RC GEE
MC DONALD'S CORP • MCDONALDS CORP 004/1236-P O BOX 66207 AMF	60666 CR	50008 LT 23 BK		682-166-09	C	2-84	736,000F	41	327,792-85	RC GEE
MC DONALD'S CORP • MCDONALDS CORP 004/1236-P O BOX 66207 AMF	60666 CR	932 LT X BK		682-166-11	C	2-84	MISC		424,-85	RC GEE
MC DONALD'S CORP • MCDONALDS CORP 004/1236-P O BOX 66207 AMF	60666 CR	932 LT X BK		682-166-18	C	2-84	MISC		33,680,081-85	RC GEE
MC DONALD'S CORP • MCDONALDS 004/0143-P O BOX 66207 AMF OHAR	60666 CR	341 E 1ST ST	TUS	401-161-12	C	11-85	200,000F	2	214,200-86	RC GEE
MC DONALD'S CORP • MCDONALDS 004/1236-P O BOX 66207 AMF OHAR	60666 CR	3562 KATELLA AV	LALM	222-091-20	C	MISC			64,285,023-84	RC GEE
MC DONELL JAMES E • 13441 EPPING WAY-TUSTIN, CA	92680 JT	13441 EPPING WY	TUS	103-523-34	H R	5-79	98,000F	53	111,177-80	RC GEE
MC DONELL LAURENCE V • 1010 SANDPIPER DR-CORONA DEL MAR, CA	92625 JT	1010 SANDPIPER DR	NB	458-663-06	H R	9-79	76,000F	49	108,867-75	RC GEE
MC DONELL GARY P • 24646 VIA SECRETO-EL TORO, CA	92630 JT	24646 VIA SECRETO	ELTR	614-321-09	R	7-86	167,500F	70	170,849-86	RC GEE
MC DONELL WILLIAM F • FRANCIS+32 SUNLIGHT-IRVINE, CA	92715 SM	32 SUNLIGHT	JRY	463-482-32	R	11-86	220,000F	2	214,200-86	RC GEE
MC DONIEL ADRIAN E • 5718 PINE COURT-CYPRESS, CAL	90630 BL	5718 PINE CT	CYP	246-161-48	R	9-67	30,500F	70	49,228-75	RC GEE
MC DONNEL HAROLD A • 1516 CAMINO LOMA-FULLERTON, CAL	92633 BL	1516 CAM LOMA	FUL	287-071-26	R	6-68	37,000F	66	58,692-75	RC GEE
MC DONNELL PHILLIS S ET-SUMMERS, ROGER C ET AL-1663 ALISO A	92627 TC	324 ORCHID AV	NB	052-133-03	R	6-73	MISC	19	59,387-75	RC GEE
MC DONNELL WILLIAM G • 27412 CEJANO-MISSION VIEJO, CA	92691 JT	27412 CEJANO	PWJ	837-251-20	H R	2-81	97,000L	65	220,708-81	RC GEE
MC DONNELL MARGARET V • 16566 MONTEGO WAY-TUSTIN, CAL	92680 WB	16566 MONTEGO WY	TUS	402-282-43	C	MISC	69	23,055-75	RC GEE	
MC DONNELL EUGENE J • 26701 RAYMOND WAY SP 195-E EL TORO, CA	92630 EA	PROTHERO	ELTR	892-251-95	H Z	MISC			52,855-83	RC GEE
MC DONNELL HOMER E • 1820 ARBOLITA DR-LA HABRA, CAL	90631 BL	1820 ARBOLITA DR	LAH	303-172-06	H R	7-65	11,000F	81	85,467-75	RC GEE
MC DONNELL ROBERT E • 4222 LARWIN AVE-CYPRESS, CAL	90630 BL	4222 LARWIN AV	CYP	242-077-38	H R	6-67	25,000F	73	42,354-75	RC GEE
MC DONNELL DOUGLAS CORP • CORPORATE TAX DEPT-P O BOX 516-ST	63166 BL	5291 BOLSA AV	HTB	195-111-07	I	9-67	MISC	15	3,862,-75	RC GEE
MC DONNELL FRANCIS M • 1645 SUMAC LN-ANAHEIM, CAL	92802 BL	1645 W SUMAC LN	AMA	129-391-11	H R	10-67	19,000F	49	28,808-75	RC GEE
MC DONNELL GERALD M • 15337 PONDEROSA AVE-FULLERTON, CAL	92635 BL	15337 PONDEROSA AV	FUL	284-111-24	H R	11-67	21,500F	60	37,024-75	RC GEE
MC DONNELL ROBERT J • 3555 3RD ST-LAGUNA BEACH, CAL	92651 JT	355 3RD ST	LAG	641-264-09	C	5-71	67,000F	53	107,222-75	RC GEE
MC DONNELL LLOYD A • 20051 FERNGLEM DRYVORBA LINDA, CAL	92686 JT	20051 FERNGLEM DR	YL	349-342-27	H R	2-72	34,500F	70	49,411-75	RC GEE
MC DONNELL HOMER E • 300 E LA HABRA BLVD-LA HABRA, CAL	90631 JT	300 E LA HABRA BL	LAH	022-173-01	C	9-72	75,000F	55	97,104-75	RC GEE
MC DONNELL HOMER E • 300 E LA HABRA BLVD-LA HABRA, CAL	90631 JT	100 LT 16 BK		022-173-19	R	9-72	10,000F		16,934-75	RC GEE
MC DONNELL HARRIET L • 2776 PARKDALE LN-ANAHEIM, CAL	92801 UW	2776 W PARKDALE DR	AMA	070-742-17	H R	5-73	25,500F	64	34,516-75	RC GEE
MC DONNELL WILLIAM E • 13631 CARROLL WAY-TUSTIN, CAL	92680 JT	13631 CARROLL WY	TUS	395-022-09	H R	8-73	49,500F	79	57,024-75	RC GEE
MC DONNELL DOUGLAS CORP • P O BOX 516-ST LOUIS, MO	63166 CR	5301 BOLSA AV	HTB	195-111-06	I	3-73	MISC	49	39,099-75	RC GEE
MC DONNELL JOHN D • 12362 GLACIER CIR-LOS ALAMITOS, CA	90620 JT	4412 GREEN AV	TALM	222-131-13	H A	8-76	157,500	76	142,781-77	RC GEE
MC DONNELL THOMAS J • 13958 E MAR VISTA-WHITTIER, CAL	90602 JT	1300 LA MIRADA ST	LAG	644-391-13	R	6-77	MISC	65	34,748-78	RC GEE
MC DONNELL JOHN F • 321 POMELO AVE-BREA, CAL	92621 JT	321 POMELO AV	BREA	319-022-14	H R	6-77	68,000F	69	64,172-78	RC GEE
MC DONNELL DAVID A • 3332 ORANGEWOOD AVE-ROSSMOOR, CAL	90720 JT	3332 ORANGEWOOD AV	LALM	086-053-10	H R	7-78	125,000F	55	79,764-78	RC GEE
MC DONNELL VIRGINIA D • KOPP, VIRGINIA D-2058 -C VIA MARIPOS	92653 WD	2358 VIA MARIPOSA EA	LAGH	931-59-01	H R	7-78	27,000F	59	41,149-75	RC GEE
MC DONNELL BRUCE • 18161 E LARKSTONE DR-SANTA ANA, CA	92705 JT	18161 E LARKSTONE DR	DR	094-044-14	H R	3-79	74,000L	50	125,111-80	RC GEE
MC DONNELL LARRY W • 26486 PERRACRUZ LN-MISSION VIEJO, CA	92691 EA	555 LA VETA PARK CI	DR	936-70-085	R	9-79	50,000F	44	55,469-80	RC GEE
MC DONNELL C E H • 11711 VIA RANCHO-SANTA ANA, CA	92705 JT	11711 VIA RANCHO	SA	502-194-11	H R	7-80	375,000F	44	417,887-81	RC GEE
MC DONNELL ROBERT J • 9599 SANTA ANA ST-LAGUNA BEACH, CA	92651 JT	9599 SANTA ANA ST	LAG	644-663-06	H R	10-80	112,000L	49	167,818-81	RC GEE
MC DONNELL JOHN F • 11347 MAGALEN WAY-CYPRESS, CA	90630 JT	11347 MAGALEN WY	CYP	224-173-54	R	4-81	58,000L	62	116,000-82	RC GEE
MC DONNELL ROBERT J • 22895 PALENCIA LN-LAGUNA NIGUEL, CA	92677 JT	22895 PALENCIA LN	SLAG	658-071-08	H R	6-81	174,000L	35	230,676-82	RC GEE
MC DONNELL DONALD P TR • 8240 ENRANADA AVE-WHITTIER, CA	90603 NO	31686 3RD AV	SLAG	056-103-42	R	9-82NC/GIFT			50,43,515-75	RC GEE
MC DONNELL THOMAS R • 23 SHOOTING STAR-IRVINE, CA	92714 JT	23 SHOOTING STAR	IRV	451-572-02	H R	12-82	158,000F	51	171,020-83	RC GEE
MC DONNELL HARRIET L • 2785 PARKDALE DR-ANAHEIM, CA	92801 UW	2785 W PARKDALE DR	AMA	070-743-19	H R	3-84	80,000F	55	84,893-84	RC GEE

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- REAL ESTATE INFORMATION SERVICES -

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OWNER NAME & MAILING ADDRESS	ZIP VST	SITUS OR LEGAL	CITY PARCEL-N.	X T	DATE	TFR	VAL	PI	TBLVAL-YR	NAME
MC DONNELL JAMES F • 193 HARVARD LN-SEAL BEACH, CA	90740 UM	193 HARVARD LN	SB	086-611-12	H R	4-84	135,000F	42	143,261-84	RC GEE
MC DONNELL STEVEN • 1845 ANAHEIM AVE UNIT 4D-COSTA MESA, CA	92627 CP	1845 ANAHEIM AV	CM	937-36-045	C	4-84	97,500L	42	103,465-84	RC GEE
MC DONNELL JANET KENNARD • 221 LA ESPERANZA-SAN CLEMENTE, CA	92672 WP	221 S LA ESPERANZA	SCL	690-022-17	H R	8-84	151,500L	36	182,842-85	RC GEE
MC DONNELL JOHN D • 12342 GLACIER CIR-LOS ALAMITOS, CA	90720 JT	12342 GLACIER CI	LALM	217-241-03	C	5-85	187,000F	46	194,353-85	RC GEE
MC DONNELL DOUGLAS CORP • IMDC REALTY CO-2201 MARTIN ST	92715 CR	TR 20203 LT	9 BK	403-061-04	I	9-85NC/GIFT			2,568,-86	RC GEE
MC DONNELL DOUGLAS CORP • IMDC REALTY CO-2201 MARTIN ST	92715 CR	TR 20203 LT	9 BK	403-061-05	I	9-85NC/GIFT			129,879-86	RC GEE
MC DONNELL DOUGLAS CORP • IMDC REALTY CO-2201 MARTIN ST	92715 CR	TR 20203 LT	11 BK	403-071-25	I	9-85 MISC			1,950,-86	RC GEE
MC DONNELL DOUGLAS CORP • IMDC REALTY CO-2201 MARTIN ST	92715 CR	TR 20203 LT	11 BK	403-071-26	I	9-85NC/GIFT			873,120-86	RC GEE
MC DONNELL PAUL J • 16401 EAGLE LN-HUNTINGTON BEACH, CA	92649 JT	16401 EAGLE LN	HTB	146-155-04	H R	10-85	131,000F	35	132,599-86	RC GEE
MC DONNELL RENEE • 613 SAND PIPER DR-SEAL BEACH, CA	90740 WD	613 SAND PIPER DR	SB	199-165-18	R	7-86	217,500F	26	217,250-87	RC GEE
MC DONNELL BRIAN P • 14932 PERCED CIR-IRVINE, CA	92714 SM	14932 PERCED CI	JRY	449-343-13	H R	10-86	159,000F	46	158,900-87	RC GEE
MC DONNELL SUSAN M • 26303 LOCH GLEN-EL TORO, CA	92630 SM	26303 LOCH GLEN	ELTR	939-04-490	R	3-87	100,500F	84	65,653-87	RC GEE
MC DONOUGH JOHN T JR • 2064 S LOWELL-SANTA ANA CAL	92707 BL	2064 S LOWELL ST	SA	015-153-17	H R	MISC	59	33,774-75	RC GEE	
MC DONOUGH BETH M (HC) • 2064 S LOWELL-SANTA ANA CAL	92707 BL	2064 S LOWELL ST	SA	015-153-17	H R	MISC	59	33,774-75	RC GEE	
MC DONOUGH THOMAS M • 123 S WEST ST-ANAHEIM, CAL	92805 BL	123 S WEST ST	AMA	036-042-12	H R	MISC	51	36,747-75	RC GEE	
MC DONOUGH THOMAS J R • 3208 W SUNVIEW DR-ANAHEIM, CAL	92804 BL	3208 W SUNVIEW DR	AMA	079-495-17	H R	MISC	63	60,040-75	RC GEE	
MC DONOUGH FRANCIS L • 2480 LORITA WAY-LAGUNA BEACH, CAL	92651 BL	2480 LORITA WY	LAG	656-142-07	H R	5-69	19,000F	33	37,765-75	RC GEE
MC DONOUGH WAYNE J • 3145 STONYBROOK DR-ANAHEIM, CAL	92806 JT	3145 W STONYBROOK	AMA	079-913-13	H R	5-73	42,500F	67	55,490-75	RC GEE
MC DONOUGH MICHAEL A • 1562 PEGASUS ST-SANTA ANA, CAL	92707 JT	1562 PEGASUS ST	SA	119-364-04	R	8-73	61,000F	76	51,872-75	RC GEE
MC DONOUGH CURTIS L • 12292 HAGA ST-GARDEN GROVE, CAL	92641 JT	12292 HAGA ST	GGR	215-122-05	H R	12-73	26,500F	66	40,846-80	RC GEE
MC DONOUGH WILLIAM T • 2006 CORAL PL-NEWPORT BEACH, CA	92663 JT	2006 CORAL PL	WSTM	107-912-45	H R	9-77	66,500F	67	96,479-78	RC GEE
MC DONOUGH WILLIAM B • 22632 ROCKFORD DR-EL TORO, CA	92680 JT	22632 ROCKFORD DR	WSTM	098-533-02	H R	9-78	17,500F	70	60,921-75	RC GEE
MC DONOUGH HARRY JR • 361 S OLIVE AVE-AVELA HABRA, CA	90631 JT	361 S OLIVE AV	LAM	022-373-21	H R	10-78	62,000F	39	71,642-79	RC GEE
MC DONOUGH JAMES P • 9856 TOWNEWAY DR-EL MONTE, CA	91733 CP	423 AVE GRANADA	SCL	933-15-004	A	4-77	MISC	55	71,176-75	RC GEE
MC DONOUGH GARY W • 16111 FELTHAM CIR-WESTMINSTER, CAL	92685 JT	16111 FELTHAM CI	WSTM	107-912-45	H R	9-77	66,500F	67	96,479-78	RC GEE
MC DONOUGH GORDON D • 8132 20TH ST-WESTMINSTER, CA	92683 JT									

0,000-87	DOUGLAS M • P U BOX 6348 •ORANGE, CA	92667 MS 3710 W PARK CENTRAL OR	231-283-05	A 10-78 112,500F 66	150,254-79
30,430-75	DOUGLAS M • ZIPSP • P O BOX 6348 •ORANGE, CA	92667 MS 3702 W PARK CENTRAL OR	231-283-06	A 10-78 112,500F 66	130,254-79
28,955-85	DOUGLAS M • ZIPSP • P O BOX 6348 •ORANGE, CA	92667 MS 3617 W PARK CENTRAL OR	231-301-16	A 10-78 120,500F 64	139,531-79
31,539-86	DOUGLAS M • ZIPSP • P O BOX 6348 •ORANGE, CA	92667 MS 3627 W PARK CENTRAL OR	231-301-17	A 10-78 120,500F 64	139,531-79
75,910-75	DOUGLAS MARIE G •9462 NEOLANI DR•HUNTINGTON BCH, CAL	92666 NO 9462 NEOLANI DR	H 149-095-12	H R 2-77 4,000 61	70,535-77
0,000-87	DOUGLAS MARK •10051 BONSER AVE•GARDEN GROVE, CA	92660 JT 10051 BONSER AV	GHE 089-361-08	R 10-78 65,000F 47	75,121-79
38,854-85	DOUGLAS MARK •P O BOX 607•DANA POINT, CA	92629 SM 30944 AVE LA VISTA	SAC 931-76-062	R 2-82 25,000L 47	71,000-82
91,179-75	DOUGLAS MARK S •P O BOX 607•DANA POINT, CA	92629 JT 30946 AVE LA VISTA	SJC 931-76-063	R 5-85 60,000F 61	61,199-85
60,647-78	DOUGLAS MARY A (HC) •TRUST•31926 SUNSET AVE•SOUTH LAGUNA, CA	92677 NO 31926 SUNSET AV	SLAG 056-144-18	H R 1-86NC/GIFT	23 119,672-76
85,000-87	DOUGLAS MICHAEL J •22135 BELLCROFT DR•EL TORO, CA	92630 JT 22135 BELLCROFT DR	ELTR 613-302-04	H R 8-84 154,000F	70 176,432-85
37,000-87	DOUGLAS MICHAEL S •14 CARINA•IRVINE CA	92715 HW 14 CARINA	IRV 939-42-151	R 3-87 376,500F 75	249,982-87
39,385-82	DOUGLAS MICHAEL S •626 20TH ST•HUNTINGTON BEACH CA	92668 HW 626 20TH ST	HTB 023-114-26	R 7-87 265,000F	78 204,345-84
60,272-78	DOUGLAS MONSON HENRY 3RD •8252 FOUNTAINBLEAU WAY•CYPRESS, CA	90630 NO 6212 MARIAN AV	BPK 134-337-02	R 4-85NC/GIFT	56 32,103-73
65,411-83	DOUGLAS MONSON HENRY 3RD •8252 FOUNTAINBLEAU AVE•CYPRESS, CA	90630 NO 8252 FOUNTAINBLEAU WY	CYP 262-264-02	R 4-85NC/GIFT	80 69,871-75
63,103-75	DOUGLAS NOEL E. •31 KING GEORGE'S GRANT•FREDERICKSBURG, VA	90630 NO 8252 FOUNTAINBLEAU WY	CYP 262-264-02	R 10-86NC/GIFT	80 69,871-75
51,500-87	DOUGLAS OIL COMPANY OF •ECONOCO TAX DEPT•555 17TH ST•DENVER, CO	80202 BL 216 W EDINGER AV	MJV 784-392-23	R 8-70 33,000F	67 53,034-75
88,762-83	DOUGLAS OIL CO OF CAL •ECONOCO TAX DEPT•555 17TH ST•DENVER, CO	80202 CR 818 W ORANGETHORPE	SA 013-183-28	V MISC	52 184,659-82
45,000-87	DOUGLAS OIL CO •ECONOCO TAX DEPT•555 17TH ST•DENVER, CO	80202 CR 13202 BROOKHURST ST	PLA 346-121-01	C 12-75 MISC	29 343,084-82
62,377-82	DOUGLAS OIL CO •ECONOCO TAX DEPT•555 17TH ST•DENVER, CO	80202 CR 1150 W LA HABRA BL	GGR 099-024-18	C 12-81 225,000F	18 254,486-82
06,916-85	DOUGLAS OIL CO •ECONOCO TAX DEPT•555 17TH ST•DENVER, CO	80202 CR 2245 W CHAPMAN AV	LAH 298-12-37	C 4-82NC/GIFT	44 183,668-79
74,060-75	DOUGLAS OIL CO OF CAL •1221 E MAIN ST•CHATTANOOGA, TN	37400 NO 5002 WARNER AV	OR 039-372-09	V 6-82NC/GIFT	32 178,533-82
45,000-87	DOUGLAS PATRICIA J •31775 VIA BELARDES•SU CPSTRN, CAL	92675 SM 31775 VIA BELARDES	HTB 163-121-01	V 11-85NC/GIFT	29 273,834-82
41,664-75	DOUGLAS PAUL WALLACE TR •1424 MARELEN DR•FULLERTON, CA	92635 EA 1426 MARELEN DR	SJC 649-192-23	H R 4-74 28,500F	63 30,386-75
32,266-83	DOUGLAS PAUL •283 VIEJO ST•LAGUNA BEACH, CA	92651 SM 33862 BARCELONA PL	FUL 281-011-17	H R 12-80 MISC	59 49,179-75
78,601-84	DOUGLAS PAUL J JR •7 HICKORY•IRVINE, CA	92716 JT 7 HICKORY	DP 682-093-14	R 9-85NC/GIFT	59 239,947-84
28,063-76	DOUGLAS PAUL E •12478 SUNGROVE ST•GARDEN GROVE, CA	92640 JT 12478 SUNGROVE ST	IRV 452-473-07	H R 10-84 158,000F	60 164,288-85
58,700-79	DOUGLAS PAUL W *	92640 JT 1011 CREEK SIDE DR	GGR 231-613-06	H R 12-85 95,000F	43 69,886-99
90,073-75	DOUGLAS PERCY L •2204 E MONROE AVE•ORANGE, CAL	92667 JT 2204 E MONROE AV	FUL 936-24-178	R 3-88 137,000F	56 118,000-87
93,799-86	DOUGLAS PETER M •STAR KIDS FOODS•180 OCEAN AVE 5TH FL•LONG	90802 JT 10846 PEBBLE CT	OR 378-363-04	H R 6-76 17,500F	39,112-75
43,660-75	DOUGLAS PETER A •7822 11TH ST•WESTMINSTER, CA	92627 EA 7800 11TH ST	FTWY 108-064-06	R 12-81 50,000L	59 116,514-82
14,012-79	DOUGLAS PETER J •26515 RAMIREZMISSION VIEJO, CA	92692 JT 26515 SIERRA VISTA	WSTW 096-361-09	H A 7-84 132,500F	65 137,851-85
37,765-75	DOUGLAS RALPH M •26621 CALLE LAGO•CAPSTRANO BCH, CAL	92624 NO 26621 CALLE LAGO	MJV 782-202-02	H R 11-86 225,500F	65 225,400-87
55,632-81	DOUGLAS RANDY •879 N. REDONDO DR•ANAHEIM CA	92601 HW 879 REDONDO DR EAST	CAPB 123-422-05	H R 11-76 14,000F	63 46,865-75
52,103-75	DOUGLAS RAY E *	TR 12314 LT 5 BK	AMA 034-053-07	R 11-87 159,000F	63 34,792-75
57,532-75	DOUGLAS REALTY CO INC •CORPORATE TAX DEPT•P O BOX 516•ST LO 63166	5301 BOLAS AV	HTB 930-07-787	R 3-88 104,500F	51 38,069-87
73,951-82	DOUGLAS REALTY CO INC •CORPORATE TAX DEPT•P O BOX 516•ST LO 63166	BL TR 5005 LT	HTB 195-111-01	I MISC	50,546-75
83,497-86	DOUGLAS REALTY CO INC •CORPORATE TAX DEPT•P O BOX 516•ST LO 63166	BL TR 5005 LT	HTB 195-111-02	I MISC	50,546-75
01,684-75	DOUGLAS REALTY CO INC •CORPORATE TAX DEPT•P O BOX 516•ST LO 63166	BL TR 5005 LT	HTB 195-111-03	I MISC	48,635-75
			HTB 195-111-04	I MISC	36,215-75
			HTB 195-111-05	I MISC	50,546-75

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TXBLVL-YR	OWNER NAME & MAILING ADDRESS	ZIP VST	SITUS OR LEGAL	CITY PARCEL-NO.	X T	DATE TFR	VAL PI	TXBLVL-YR
17,250-87	Douglas Realty Co Inc *CORPORATE TAX DEPT-P O BOX 516-ST LO	63166 BL	TR S0005 LT 9 BK	195-112-04	I	MISC	2,021-75	
94,117-80	Douglas Realty Co Inc *CORPORATE TAX DEPT-P O BOX 516-ST LO	63166 XF	TR S0005 LT 9 BK	195-112-03 X W	2-74	MISC	5,748-75	
77,874-75	Douglas Richard D *2782 W PARKDALE DR*ANAHEIM, CA	92801 BL	8732 OASIS AV	WSTM 097-521-24	R 5-64	MISC	34,425-75	
113,000-87	Douglas Richard R *1847 PORT TAGGART PL*NEWPORT BEACH, CAL	92660 JT	1847 PORT TAGGART PL	NB 458-422-08 H	R 4-72	41,000F	67 77,966-75	
83,010-78	Douglas Richard *PROPERTY MGMT SERVICES*P O BOX 9335-9993*	92802 JT	2782 W PARKDALE DR	ANA 070-742-16	R 5-77	45,000F	66 43,425-75	
83,010-78	Douglas Richard L *5741 MARSHALL DR*HUNTINGTON BEACH, CA	92649 SM	5741 MARSHALL DR	HTB 146-281-02	R 4-86	137,000F	34 139,739-86	
83,243-75	Douglas Roy *2321 N LAIRD ST*SANTA ANA, CAL	92706 BL	2321 N LAIRD ST	SA 399-133-06 H	MISC	53 30,709-75		
70,900-76	Douglas Robert F *8456 PIERCE DR*BUENA PARK, CAL	90620 JT	8456 PIERCE DR	BPK 135-052-05 H	R 6-75	MISC	50 41,897-76	
119,710-80	Douglas Robert A *3105 VIA MADERA*SN JUN CPSTRN, CAL	92675 JT	31105 VIA MADERA	SJC 664-012-33 H	R 9-76	73,500	80 1,018-77	
138,341-80	Douglas Ronald G *13061 ESTES CIR*WESTMINSTER, CAL	92683 JT	13061 ESTES CI	WSTM 203-442-36 H	R 3-77	95,000F	73 101,715-78	
371,907-84	Douglas Robert J *TR-1420 MIRAMAR DR*FULLERTON, CAL	92631 EA	1420 MIRAMAR DR	FUL 283-153-02 H	R 4-77	MISC	63 101,947-75	
90,000-87	Douglas Ronald C *645 SLEEPY HOLLOW LN*LAGUNA BEACH, CA	92651 HW	5377 PUNTA ALTA	LAGH 932-95-087	R 8-77	MISC	68 41,897-75	
181,464-84	Douglas Ronald C *12651 NEWPORT AVE*TUSTIN, CA	92680 HW	12651 NEWPORT AV	TUS 401-181-52	C 6-79	MISC	79 311,237-80	
137,000-87	Douglas Ronald C *12651 NEWPORT AVE*TUSTIN, CA	92680 EA	27406 CALLE PRIMA	CAPB 691-194-06	R 10-80	162,000F	47 180,365-81	
133,781-78	Douglas Ronald C *645 SLEEPY HOLLOW LN*LAGUNA BEACH, CA	92651 CP	645 SLEEPY HOLLOW	LAG 930-65-401 H	R 11-82NC/GIFT	40 532,486-82		
35,955-75	Douglas Robert C *25311 CALLE BECERRA*LAGUNA NIGUEL, CA	92677 CP	25311 CALLE BECERRA	SLAG 637-123-08 H	R 6-85	125,500F	39 130,569-85	
48,343-75	Douglas Ronald C *C/0 SEVEN GABLES REAL ES*12651 NEWPORT AV	92680 HW	1695 VIKING RD	LAG 646-218-03	R 10-87NC/GIFT	20 824,500-87		
69,134-75	Douglas Robert C *C/0 SEVEN GABLES REAL ES*12651 NEWPORT AV	92680 SM	27872 CUMMINS DR	LAG 636-273-04 H	R 12-87	166,500F	12,000-87	
110,900-87	Douglas Robert F *27872 CUMMINS DR*LAGUNA BEACH CA	92683 HW	15102 PURDY ST	SA 001-071-23 H	R 6-85	104,000F	40 108,200-85	
27,373-75	Douglas Scott A *15102 PURDY ST*WESTMINSTER, CA	92683 JV	15102 PURDY ST	WSTM 107-432-14 H	R 5-86	1,000L	49 102,894-85	
102,205-80	Douglas Stanley M *110 TOWER CT*ANAHEIM, CAL	92806 JT	110 S TOWER CT	ANA 083-031-29 H	R 10-72	37,500F	67 50,385-75	
92,649-82	Douglas Steven R *22331 PRAIRIE RD*EL TORO, CAL	92630 JT	22331 PRAIRIE RD	ELTR 614-242-38 H	R 12-75	MISC	75 78,207-76	
148,567-84	Douglas Stuart L *21432 PINETREE LN*HUNTINGTON BEACH, CA	92646 JT	21432 PINETREE LN	HTB 149-282-07 H	R 12-78	111,000F	59 144,643-79	
44,911-75	Douglas Suzanne *5102 MARION AVE*CYPRESS, CA	90630 NO	5102 MARION AV	CYP 261-035-09 H	R 6-86NC/GIFT	59 35,582-75		
116,730-84	Douglas Thomas J *8720 VESTAVIA AVE*BUENA PARK, CAL	90621 BL	8720 VESTAVIA AV	BPK 280-273-03 H	R 7-67	38,000F	71 62,032-75	
148,367-84	Douglas Trudy E *12200 MONTECITO RD #B214*SEAL BEACH, CA	90740 UW	12200 MONTECITO RD	SB 936-59-049 H	R 7-85	6,000L	55 87,719-86	
111,944-86	Douglas Trust *18319 KAREN DR*TARZANA CA	91356 TE	941 TEMPLE TR	LAG 644-093-17	R 1-86NC/GIFT	34 57,301-75		
84,962-79	Douglas Virginia M TR *1715 W 21ST ST*SANTA ANA, CAL	92706 NO	1715 W 21ST ST	SA 001-093-09 H	R 6-76	MISC	55 43,796-77	
209,750-75	Douglas Vivienne M *888 MONTICELLO*IRVINE, CA	92720 WS	88 MONTICELLO	IRV 529-173-34 H	R 1-86NC/GIFT	55 148,213-79		
58,002-75	Douglas W Anne D *2403 -2C*VIA MARIPOSA WEST*LAGUNA HILLS	92653 NO	2403 VIA MARIPOSA WE	LAGH 931-58-155 H	R 1-82	MISC	78 118,611-82	
86,086-86	Douglas Wanda L (HC) *P O BOX 1587*COSTA MESA, CAL	92626 BL	9222 CARROLLTOWN DR	HTB 151-111-32 H	MISC	59 46,259-75		
62,504-84	Douglas Wallace G *23802 LA CALETA*MISSION VIEJO, CA	92692 UW	23052 LA CALETA	MJV 811-394-08	R 8-87	312,000F	55 291,747-87	
10,420-87	Douglas William J *12115 ANZIO ST*GARDEN GROVE, CAL	92640 BL	12115 ANZIO ST	GGR 231-163-05 H	R 5-85	MISC	54 31,776-75	
30,106-75	Douglas William J *10621 MALLARD DR*GARDEN GROVE, CAL	92640 BL	10621 MALLARD DR	GGR 099-241-18 H	R 11-65	17,000F	61 32,660-75	
57,797-75	Douglas William J *513 DE SOTO*SAN CLEMENTE, CAL	92672 BL	513 CALLE DE SOTO	SCL 057-225-12 H	R 5-69	9,000F	62 52,150-75	
88,484-79	Douglas William J *11164 LAVENDER AVE*FOUNTAIN VLY, CAL	92708 JT	11164 LAVENDER AV	FTNV 144-084-14 H	R 2-70	29,000F	72 48,251-75	
350,439-80	Douglas William J *19852 MARITIME LN*HUNTINGTN BCH, CAL	92648 JT	19852 MARITIME LN	HTB 023-292-20 H	R 4-77	99,500F	54 89,366-78	
81,574-75	Douglas William L *P O BOX 5691*GARDEN GROVE, CA	92645 JT	12331 GEORGIAN ST	STN 131-373-07 H	R 9-81	42,000L	66 125,718-82	
164,502-79	Douglas William L *23811 VIA NAVARRA*MISSION VIEJO, CA	92691 JT	23811 VIA NAVARRA	MJV 808-093-11 H	R 8-83	147,000F	55 155,890-84	
164,381-84	Douglas William E JR *17061 KAMPEN LN*HUNTINGTON BEACH, CA	92647 JT	17061 KAMPEN LN	HTB 167-343-02 H	R 10-83	112,000F	40 118,852-84	
183,973-75	Douglas William E TR *3U A DOUGLAS INC*2214 N BATAVIA ST*OR	92665 EA	2214 N BATAVIA ST	DR 374-751-22	R 1-86NC/GIFT	40 407,000-87		
50,085-80	Douglas William A TR *6110 MORNINGVIEW DR*ANAHEIM, CA	92807 EA	3434 MANDEVILLE PL	OR 361-591-22	R 12-86NC/GIFT	220,000-87		
47,232-75	Douglas William S *5901 WOODBORD DR*HUNTINGTON BEACH, CA	92649 EA	5901 WOODBORD DR	HTB 163-242-19 H	R 2-87	MISC	55 182,696-80	
140,443-85	Douglas William R *7729 CRESTBROOK*STANTON CA	90680 SM	7729 CRESTBROOK	STN 937-67-559	R 7-87	122,000F	53 110,281-85	
164,502-79	Douglas Audrey S *640 -42 W LAMBERT RD*LA HABRA, CA	90631 EA	640 W LAMBERT RD	LAH 938-68-187	H 11-84	76,000F	70 78,808-85	
164,381-84	Douglas Allam R *1209 W ACACIA AVE*ORANGE, CA	92668 SM	1209 W ACACIA AV	OR 039-032-14 H	R 2-85	110,000F	55 111,521-85	
183,973-75	Douglas Benjamin H *4400 MEADOWBROOK RD*GARDEN VALLEY, CA	92633 BL	2630 SEAVIEW AV	NB 052-021-09 A	MISC	35 78,789-75		
50,085-80	Douglas Brian L *531 W PATWOOD DR*LA HABRA, CAL	90631 JT	531 W PATWOOD DR	LAH 019-223-10 H	R 7-76	49,500	54 47,001-77	
50,085-80	Douglas Brian L *531 W PATWOOD DR*LA HABRA, CAL	95633 JT	2609 COVE ST	NB 052-043-03 R	R 4-83NC/GIFT	20 118,046-75		
140,443-85	Douglas Clyde E JR *11670 AZALEA AVE*FOUNTAIN VLY, CAL	92708 JV	11670 AZALEA AV	FTNV 144-384-07 H	R 5-65	21,000F	70 44,358-75	
140,443-85	Douglas Clyde D *20332 CRAIMER LN*HUNTINGTN BCH, CAL	92664 JT	20332 CRAIMER LN	HTB 155-152-30 H	R 9-71	20,000F	72 58,092-75	
140,443-85	Douglas Charles R TR *1165 GAVIOTA DR*LAGUNA BEACH, CA	92651 EA	1165 GAVIOTA DR	LAG 644-075-05 H	A 11-82NC/GIFT	37 148,341-75		

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OWNER NAME & MAILING ADDRESS	ZIP VST	SITUS OR LEGAL	CITY PARCEL-NO.	X	T	DATE	IFR VAL	PI	TAXBL VAL-YR
DOUGLASS DALE G #22981 LAUREL GROVE CIR-EL TORO, CAL	92630 JT 22981	LAUREL GROVE CI	ELTR 614-032-03	H	R	4-71	5,500F	74	48,620-75
DOUGLASS DONALD J #24622 SHADOWFAK DR-EL TORO, CAL	92630 JT 24622	SHADOWFAK DR	ELTR 614-102-08	H	R	7-17	95,000F	57	88,812-77
DOUGLASS DOROTHY J #1006 N GLENHAVEN AVE-FULLERTON, CA	92635 WD 1006 N	GLENHAVEN AV	FUL 282-373-08	R		3-78	30,500F	63	45,005-75
DOUGLASS DAVID H #23192 STELLA CT-EL TORO, CA	92630 JT 23192	STELLA CT	ELTR 613-081-45	H	R	10-78	108,000F	60	125,009-79
DOUGLASS DIANE R #2007 TUFFREE BLVD-PLACENTIA, CA	92670 WD 2007 TUFFREE	BL	PLA 336-331-08	H	R	3-81	25,000F	65	45,188-75
DOUGLASS DORVIN D #1907 BOLINGBRIDGE DR-ORANGE, CA	92665 SM 1907 E	BOLINGBRIDGE	DR 360-292-03	H	R	10-82	55,500F	58	161,348-81
	92630 WD 24622	SHADOWFAK DR	ELTR 614-102-08	H	R	7-17	95,000F	57	88,812-77
	92635 WD 1006 N	GLENHAVEN AV	FUL 282-373-08	R		3-78	30,500F	63	45,005-75
	92630 JT 23192	STELLA CT	ELTR 613-081-45	H	R	10-78	108,000F	60	125,009-79
	92670 WD 2007 TUFFREE	BL	PLA 336-331-08	H	R	3-81	25,000F	65	45,188-75
	92665 SM 1907 E	BOLINGBRIDGE	DR 360-292-03	H	R	10-82	55,500F	58	161,348-81
	92630 JT 22981	LAUREL GROVE CI	ELTR 614-032-03	H	R	4-71	5,500F	74	48,620-75
	92630 JT 24622	SHADOWFAK DR	ELTR 614-102-08	H	R	7-17	95,000F	57	88,812-77
	92635 WD 1006 N	GLENHAVEN AV	FUL 282-373-08	R		3-78	30,500F	63	45,005-75
	92630 JT 23192	STELLA CT	ELTR 613-081-45	H	R	10-78	108,000F	60	125,009-79
	92670 WD 2007 TUFFREE	BL	PLA 336-331-08	H	R	3-81	25,000F	65	45,188-75
	92665 SM 1907 E	BOLINGBRIDGE	DR 360-292-03	H	R	10-82	55,500F	58	161,348-81

SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT ORANGE COUNTY ZONE

AIR--POLLUTION--CONTROL--DISTRICT
CONCESSION

PERMIT

IS HEREBY GRANTED TO
MCDONNELL DOUGLAS ASTRONAUTICS CO.

TO OPERATE

One (1) Grit Blast Room; 11' x 15' x 8' high
with AAF Amer Pulse Baghouse APIN 22; 15 HP
located at

5301 Bolsa Avenue, Huntington Beach, Cal.

SUBJECT TO THE FOLLOWING CONDITIONS

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY
DIVISION 20, CHAPTER 2, ARTICLE 3, OF THE HEALTH AND SAFETY CODES OF THE STATE OF CALIFORNIA OR THE RULES
AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT.

DATE 9-3-75

PERMIT NO. 75-5293

H. G. OSBORNE

AIR POLLUTION CONTROL OFFICER
ORANGE COUNTY ZONE

By: Warren Talbot, Chief (Title)
Engineering and Analysis

F 0116-14.1

REVOCABLE AND NOT TRANSFERABLE

SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT ORANGE COUNTY ZONE

AIR POLLUTION CONTROL DISTRICT
COUNTY OF ORANGE

PERMIT

IS HEREBY GRANTED TO
MCDONNELL DOUGLAS ASTRONAUTICS CO.

TO OPERATE

One (1) Sand Blast Room; 8' x 17' x 8' high with
Pangborn 1,500 CN-2 baghouse, APIN 23; 10.5 HP
located at
5301 Bolsa Avenue, Huntington Beach, California

SUBJECT TO THE FOLLOWING CONDITIONS

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY
DIVISION 20, CHAPTER 2, ARTICLE 3, OF THE HEALTH AND SAFETY CODES OF THE STATE OF CALIFORNIA OR THE RULES
AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT.

DATE 9-3-75

PERMIT NO. 75-5294

 F0116-14.1

H. G. OSBORNE

AIR POLLUTION CONTROL OFFICER
ORANGE COUNTY ZONE

By: Warren Talbot, Chief (Title)
Engineering and Analysis

REVOCABLE AND NOT TRANSFERABLE

SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT
PERMIT

IS HEREBY GRANTED TO

MCDONNELL DOUGLAS ASTRONAUTICS
5301 Bolsa Avenue, Huntington Beach, CA 92647

TO OPERATE

Paramount Plastics Vertical Fume Scrubber, V254 wet pack type; 40,000 CFM; 50 HP; 8' x 10' with
2 - 1 HP water recirculating pumps and a mist eliminator; serial no. I-542-II.

SUBJECT TO THE FOLLOWING CONDITIONS APIN-35

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE
ALLOWED BY DIVISION 26, PART 4, CHAPTER 3, OF THE HEALTH AND SAFETY CODES OF THE STATE
OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE SOUTHERN CALIFORNIA AIR POLLUTION
CONTROL DISTRICT.

DATE: July 21, 1976

J. A. STUART

CHIEF AIR POLLUTION CONTROL OFFICER

PERMIT NO. 76-6372

By: *Warren Valot*

CHIEF, ENGINEERING

REVOCABLE AND NOT TRANSFERABLE

F0250-45.1

SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT

PERMIT

IS HEREBY GRANTED TO

MCDONNELL DOUGLAS ASTRONAUTICS

5301 Bolsa Avenue, Huntington Beach, CA 92647

TO OPERATE

Paramount Plastics Vertical Fume Scrubber, V-254 wet pack; 30,000 CFM; 40 HP; 8' x 8' x 10' with 2 - 1 HP water recirculating pumps and a mist eliminator; serial no. I-545-II.

SUBJECT TO THE FOLLOWING CONDITIONS

APIN 36

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26, PART 4, CHAPTER 3, OF THE HEALTH AND SAFETY CODES OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT.

DATE: July 21, 1976

PERMIT NO. 76-6373

J. A. STUART
CHIEF AIR POLLUTION CONTROL OFFICER

By: Warren Valot

CHIEF, ENGINEERING

REVOCABLE AND NOT TRANSFERABLE

F0250-45.1

SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT

PERMIT

IS HEREBY GRANTED TO

MCDONNELL DOUGLAS ASTRONAUTICS
5391 Bolsa Avenue, Huntington Beach, CA 92647

TO OPERATE

#2 Baron oven, S/N LF 1387; 11' 11" wide x 12' 5" high x 11' 6" deep; 1.7 million BTU/hr; 3/4 HP exhaust fan, 3/4 HP combustion blower, 3 HP circulating blower; indirect fired. MDAC TAG 711329-2.

SUBJECT TO THE FOLLOWING CONDITIONS

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26, PART 4, CHAPTER 3, OF THE HEALTH AND SAFETY CODES OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT.

DATE: July 21, 1976

J. A. STUART

CHIEF AIR POLLUTION CONTROL OFFICER

By: Warren V. Vallow

CHIEF, ENGINEERING

REVOCABLE AND NOT TRANSFERABLE

F0250-45.1

SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT

PERMIT

IS HEREBY GRANTED TO

MCDONNELL DOUGLAS ASTRONAUTICS

5301 Bolsa Avenue, Huntington Beach, CA 92647

TO OPERATE

#1 Baron oven, S/N DF 1387; 11' 11" wide x 12' 5" high x 11' 6" deep; 1.7 million BTU/hr; 3/4 HP exhaust fan, 3/4 HP combustion blower, 3 HP circulating blower; indirect fired; MDAC TAG 711329-1.

SUBJECT TO THE FOLLOWING CONDITIONS

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26, PART 4, CHAPTER 3, OF THE HEALTH AND SAFETY CODES OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT.

DATE: July 21, 1976

J. A. STUART

CHIEF AIR POLLUTION CONTROL OFFICER

By: Karen Vallet

CHIEF, ENGINEERING

REVOCABLE AND NOT TRANSFERABLE

F0250-45.1

SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT
PERMIT

IS HEREBY GRANTED TO

MCDONNELL DOUGLAS ASTRONAUTICS
5301 Kolpa Avenue, Huntington Beach, CA 92647

TO OPERATE

Water plating tank, 3 ft. high x 4 ft. long x 3 ft. wide fiber-glass construction with a 3 ft. wide slotted pick-up vent.

SUBJECT TO THE FOLLOWING CONDITIONS APW 34

Tank must be vented to air pollution control equipment which is in full use and which has been issued an operating permit by the APCO.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26, PART 4, CHAPTER 3, OF THE HEALTH AND SAFETY CODES OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE SOUTHERN CALIFORNIA AIR POLLUTION CONTROL DISTRICT.

DATE: July 11, 1976

J. A. STUART

CHIEF AIR POLLUTION CONTROL OFFICER

By:

Warren Salter

CHIEF, ENGINEERING

REVOCABLE AND NOT TRANSFERABLE

F0250-45.1



PERMIT to OPERATE

SOUTHERN ZONE - 1610 E. Ball Road, Anaheim, California 92805

S 00479

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR: MC DONNELL DOUGLAS ASTRONAUTICS COMPANY

APPL. #19367X

EQUIPMENT

LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

EQUIPMENT DESCRIPTION AND CONDITIONS:

INACTIVE

OVEN, LYLE SMITH, MODEL FHT 445.5, 7'-0" W. x 6'-0" L. x 7'-0" H., SERIAL NO. 8002,
29 KVA ELECTRICALLY HEATED, WITH ONE 3 H.P. CIRCULATING FAN AND ONE 1/3 H.P. EXHAUST FAN
(APIN 42).

FILE COPY

This initial permit must be renewed by SEPTEMBER 1, 1978 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 901.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

116568 \$50.00

VOID UNLESS VALIDATED

AIR POLLUTION CONTROL OFFICER

BY *D. M. Rammam*
DATE 9-1-77

76P235S-2/77



PERMIT to OPERATE

SOUTHERN ZONE - 1610 E. Ball Road, Anaheim, California 92805

S 00480

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:MO DONNELL DOUGLAS ASTRONAUTICS COMPANY
EQUIPMENT LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA

APPL. # 19368X

EQUIPMENT DESCRIPTION AND CONDITIONS:

INACTIVE

OVEN, LYLE SMITH, MODEL FHT 445.5, 7'-0" W. x 6'-0" L. x 7'-0" H., SERIAL NO. 8003,
29 KVA ELECTRICALLY HEATED, WITH ONE 3 H.P. CIRCULATING FAN AND ONE 1/3 H.P. EXHAUST
FAN (APIN 43)

This initial permit must be renewed by SEPTEMBER 1, 1978 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 801.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

116568 \$50.00

VOID UNLESS VALIDATED

AIR POLLUTION CONTROL OFFICER

BY

DATE 9-1-77



PERMIT to OPERATE

SOUTHERN ZONE - 1610 E. Ball Road, Anaheim, California 92805

S 00481

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MC DONNELL DOUGLAS ASTRONAUTICS COMPANY

APPL. #19370X

EQUIPMENT
LOCATED AT:

5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

EQUIPMENT DESCRIPTION AND CONDITIONS:

OVEN, DESPATCH, MODEL RS4-STD, 6'-0" W. x 10'-0" L. x 6'-6" H., SERIAL NO. 78728,
27 KVA ELECTRICALLY HEATED, WITH ONE 2 H.P. CIRCULATING FAN AND ONE 3/4 H.P. EXHAUST
FAN (APIN 40).

This initial permit must be renewed by SEPTEMBER 1, 1978 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 801.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

AIR POLLUTION CONTROL OFFICER

BY

DATE 9-1-77

76P235S- 2/77

116568 \$50.00

VOID UNLESS VALIDATED

FILE COPY



PERMIT to OPERATE

S 00586

SOUTHERN ZONE - 1610 E. Ball Road, Anaheim, California 92805

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR: McDONNELL DOUGLAS ASTRONAUTICS COMPANY Appl. No. 00018A

EQUIPMENT
LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, BARON BLAKESLEE, VAPOR-SPRAY TYPE, MODEL DP 12-7260, 8'-0" W.
x 19'-0" L. x 10'-8" H., SERIAL NO. 77008, 150,000 BTU PER HOUR STEAM HEATED,
WITH A 1/2 H.P. SPRAY PUMP, APIN 45.

CONDITIONS:

1. SOLVENT CONSUMPTION FOR THIS DEGREASER MUST NOT EXCEED 550 GALLONS PER MONTH.
2. PHOTOCHEMICALLY REACTIVE SOLVENT MUST NOT BE USED IN THIS EQUIPMENT UNLESS THE EMISSION OF ORGANIC MATERIALS INTO THE ATMOSPHERE IS REDUCED BY AT LEAST 85 PER CENT BY WEIGHT.

This initial permit must be renewed by OCTOBER 3, 1978, or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

AIR POLLUTION CONTROL OFFICER

BY

DATE 10-3-77

116747 \$25.00

VOID UNLESS VALIDATED

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT



PERMIT to OPERATE

S 00755

SOUTHERN ZONE - 1610 E. Ball Road, Anaheim, California 92805

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

Appl. No. 01554A

LEGAL OWNER
OR OPERATOR:

McDONNELL DOUGLAS ASTRONAUTICS COMPANY

EQUIPMENT
LOCATED AT:

5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

EQUIPMENT DESCRIPTION AND CONDITIONS:

OVEN, INDOCO, 7'-3" W. x 13'-0" L. x 11'-0" H., SERIAL NO. 5663, 75 KVA ELECTRIC HEATED, WITH ONE 5 H.P. CIRCULATING FAN AND ONE 1/4 H.P. EXHAUST FAN (APIN 41).

This initial permit must be renewed by NOVEMBER 3, 1978 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

B 8003 10000Da #03R

VOID UNLESS VALIDATED

VIA

AIR POLLUTION CONTROL OFFICER

BY Virginia May

DATE 11-3-77

76P235S-2/77



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

S 07461

ANAHEIM OFFICE - 1610 E. Ball Road, Anaheim, California 92805

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR: McDONNELL DOUGLAS ASTRONAUTICS CO.

APPL. NO. 06676A

EQUIPMENT
LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, LANAPE, VAPOR-SPRAY TYPE, MODEL NO. 2DRCE, 1'-4" W. x 3'-7" L. x 3'-7" H. INSIDE DIMENSIONS, SERIAL NO. 674, 8 KVA ELECTRICALLY HEATED, WITH A 1/4 H.P. SPRAY PUMP, (MDAC NO. 760154).

CONDITIONS:

1. THE COVER SHALL NOT BE DISPLACED OR REMOVED FOR MORE THAN FIVE CONSECUTIVE MINUTES UNLESS PROCESSING WORK IN THE DEGREASER OR PERFORMING MAINTENANCE.
2. THE SOLVENT LOSS FROM THIS DEGREASER MUST NOT EXCEED 1 GALLON IN ANY ONE DAY.

(CONTINUED ON PAGE 2)

This initial permit must be renewed by December 21, 1982 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

By *Jenice F. Moore*
DATE 12/21/81

SCAQMO 006

7500Da #215

VOID UNLESS VALIDATED
mjm

76P235A - 11/80

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. S 07461
(MUST BE DISPLAYED WITH PERMIT)

3. THE SOLVENT USED IN THIS DEGREASER MUST BE ONE OF OR A COMBINATION OF THE FOLLOWING: METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, OR TRICHLOROTRIFLUOROETHANE.

APPL. NO. 06676A

mjm

50D191 Rev 2/77

Page 2 of 2 Pages



PERMIT to OPERATE

ANAHEIM OFFICE - 1610 E. Ball Road, Anaheim, California 92805

S 07462

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER McDONNELL DOUGLAS ASTRONAUTICS CO.
OR OPERATOR:

APPL. NO. 10693A

EQUIPMENT 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

SPRAY BOOTH, BINKS, BENCH DRY FILTER TYPE, 4'-4" W. x 4'-0" H. x 5'-0" D., WITH ONE 1/2 H.P. EXHAUST FAN AND FOUR FILTERS EACH 20" x 20" x 2", (MDAC NO. 790096).

CONDITIONS:

1. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH THE FILTERING MEDIA.
2. PHOTOCHEMICALLY REACTIVE SOLVENT MUST NOT BE USED TO THIN, REDUCE OR DILUTE COATING MATERIALS USED IN THIS EQUIPMENT.

(CONTINUED ON PAGE 2)

This initial permit must be renewed by December 21, 1982, or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY *Janice T. Moore*
DATE 12/21/81

SCAQMD 007 10050Ba #216

VOID UNLESS VALIDATED
mjm

76P235A - 11/80

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

S 07462

CONTINUATION OF PERMIT NO. _____
(MUST BE DISPLAYED WITH PERMIT)

3. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT
MUST NOT EXCEED 1/2 GALLON IN ANY ONE DAY.

APPL. NO. 10693A

mjm

500161 Rev 2/77

Page 2 of 2 Pages



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

S 07463

ANAHEIM OFFICE - 1610 E. Ball Road, Anaheim, California 92805

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER: McDONNELL DOUGLAS ASTRONAUTICS CO.
OR OPERATOR:

APPL. NO. 10694A

EQUIPMENT LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, LANAPE, VAPOR-SPRAY TYPE, MODEL NO. 2DRCE, 1'-2" W. x 2'-11" L. x 3'-2" H. INSIDE DIMENSIONS, SERIAL NO. 676, 5 KVA ELECTRICALLY HEATED, WITH A 1/4 H.P. SPRAY PUMP, (MDAC NO. 760153).

FILE COPY

CONDITIONS:

1. THE COVER SHALL NOT BE DISPLACED OR REMOVED FOR MORE THAN FIVE CONSECUTIVE MINUTES UNLESS PROCESSING WORK IN THE DEGREASER OR PERFORMING MAINTENANCE.
2. THE SOLVENT LOSS FROM THIS DEGREASER MUST NOT EXCEED 0.26 GALLONS IN ANY ONE DAY.

(CONTINUED ON PAGE 2)

This initial permit must be renewed by December 21, 1982 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

DATE 12/21/81

By *Jenice F. Moore*VOID UNLESS VALIDATED
mjm

76P235A - 11/80

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. S 07463
(MUST BE DISPLAYED WITH PERMIT)

3. THE SOLVENT USED IN THIS DEGREASER MUST BE ONE OF OR A COMBINATION OF THE FOLLOWING: METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, OR TRICHLOROTRI-FLUOROETHANE.

APPL. NO. 10694A

mjm

50D191 Rev 2/77

2 2
Page _____ of _____ Pages



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

S 07464

ANAHEIM OFFICE - 1610 E. Ball Road, Anaheim, California 92805

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER McDONNELL DOUGLAS ASTRONAUTICS CO.
OR OPERATOR:

APPL. NO. 10695A

EQUIPMENT LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, VAPOKLEEN, VAPOR-SPRAY TYPE, MODEL NO. 400-1618, 1'-4" W. x 3'-1" L. x 2'-3" H.,
INSIDE DIMENSIONS, SERIAL NO. 505032, 1.2 KW ELECTRICALLY HEATED, WITH A 1/3 H.P. REFRIGERATION
UNIT, (MDAC NO. 790071).

CONDITIONS:

1. THE COVER SHALL NOT BE DISPLACED OR REMOVED FOR MORE THAN FIVE CONSECUTIVE MINUTES UNLESS
PROCESSING WORK IN THE DEGREASER OR PERFORMING MAINTENANCE.
2. THE SOLVENT LOSS FROM THIS DEGREASER MUST NOT EXCEED 0.26 GALLONS IN ANY ONE DAY.

(CONTINUED ON PAGE 2)

This initial permit must be renewed by December 21, 1982 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

Jenice T. Moore

DATE 12/21/81

SCAQMD 009 10050Da #215

mjm VOID UNLESS VALIDATED

76P235A - 11/80

FILE COPY

JTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. S 07464
(MUST BE DISPLAYED WITH PERMIT)

3. THE SOLVENT USED IN THIS DEGREASER MUST BE ONE OF OR A COMBINATION OF THE FOLLOWING: METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, OR TRICHLOROTRIFLUOROETHANE.

APPL. NO. 10695A

mjm

Page 2 of 2 Pages

16-500191 Rev 2/77



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

S 07482

ANAHEIM OFFICE - 1610 E. Ball Road, Anaheim, California 92805

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER McDONNELL DOUGLAS ASTRONAUTICS CO.
OR OPERATOR:

APPL. NO. 06734A

EQUIPMENT LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

PREVIOUS PERMIT NO. 75-5296

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASING SYSTEM CONSISTING OF:

1. DEGREASER, BARON BLAKESLEE, VAPOR SPRAY TYPE, MODEL NO. DB-2030 STM, 3'-6" W. x 20'-0" L.
x 8'-9" D. INSIDE DIMENSIONS, SERIAL NO. D 8323, STEAM HEATED, (MDAC NO. 672519).
2. STILL, BARON BLAKESLEE, MODEL HRS 60, SERIAL NO. 7395, 36 KW ELECTRICALLY HEATED,
(MDAC NO. 672519).

CONDITIONS:

1. THE COVER SHALL NOT BE DISPLACED OR REMOVED FOR MORE THAN FIVE CONSECUTIVE MINUTES UNLESS
PROCESSING WORK IN THE DEGREASER OR PERFORMING MAINTENANCE. (CONTINUED ON PAGE 2)

This initial permit must be renewed by September 2, 1982 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.1) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by
Division 26 of the Health and Safety Code of the State of California or the Rules of the Air
Quality Management District. This permit cannot be considered as permission to violate existing
laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY *Janice F. Moore*

DATE 1/5/82

76P235A - 11/80

PERMIT FEE COVERED BY FILING FEE

VOID UNLESS VALIDATED
mjm

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. S 07482
(MUST BE DISPLAYED WITH PERMIT)

2. THE SOLVENT LOSS FROM THIS DEGREASER MUST NOT EXCEED 24 GALLONS IN ANY ONE DAY.
3. THE SOLVENT USED IN THIS DEGREASER MUST BE ONE OF OR A COMBINATION OF THE FOLLOWING: METHYLENE CHLORIDE, 1,1,1 TRICHLOROETHANE, OR TRICHLOROTRIFLUOROETHANE.

APPL. NO. 06734A

mjm

Page 2 of 2 Pages

16-500191 Rev 2/77



PERMIT to OPERATE

ANAHEIM OFFICE - 1610 E. Ball Road, Anaheim, California 92805

S 07483

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER McDONNELL DOUGLAS ASTRONAUTICS CO.
OR OPERATOR:

EQUIPMENT LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

APPL. NO. 06735A

PREVIOUS PERMIT NO. 2062

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASING SYSTEM CONSISTING OF:

1. DEGREASER, BLAKESLEE, VAPOR SPRAY TYPE, MODEL NO. SPEC. VP, 4'-6" W. x 12'-6" L. x 6'-9"
2. STILL, BARON, MODEL B-120, 400,000 BTU PER HOUR STEAM HEATED, (MDAC NO. 640952).
- D. INSIDE DIMENSIONS, SERIAL NO. 17434, STEAM HEATED, (MDAC NO. 640952).

CONDITIONS:

1. THE COVER SHALL NOT BE DISPLACED OR REMOVED FOR MORE THAN FIVE CONSECUTIVE MINUTES UNLESS PROCESSING WORK IN THE DEGREASER OR PERFORMING MAINTENANCE.

(CONTINUED ON PAGE 2)

This initial permit must be renewed by June 12, 1982 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY *Janice F. Moore*

DATE 1/5/82

76P235A-11/80

PERMIT FEE COVERED BY FILING FEE

VOID UNLESS VALIDATED

mjm

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

S 07483

CONTINUATION OF PERMIT NO.

(MUST BE DISPLAYED WITH PERMIT)

2. THE SOLVENT LOSS FROM THIS DEGREASER MUST NOT EXCEED 26 GALLONS IN ANY ONE DAY.
3. THE SOLVENT USED IN THIS DEGREASER MUST BE ONE OF OR A COMBINATION OF THE FOLLOWING: METHYLENE CHLORIDE, 1,1,1 TRICHLOROETHANE, TRI-CHLOROTRIFLUOROETHANE.

APPL. NO. 06735A

mjm

Page 2 of 2 Pages

16-50D191 Rev 2/77



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

ANAHEIM OFFICE - 1610 E. Ball Road, Anaheim, California 92805

S 07484

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER McDONNELL DOUGLAS ASTRONAUTICS CO.
OR OPERATOR:

APPL. NO. 10675A

EQUIPMENT LOCATED AT: 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA 92647

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, HARRINGTON, HORIZONTAL PACKED TYPE, MODEL NO. HPH-67-3 WITH TWO 2 H.P. PUMPS.
2. EXHAUST SYSTEM WITH A 30 H.P. BLOWER VENTING FIVE PICKLING AND PASSIVATION TANKS.

CONDITION:

1. A SUFFICIENT AMOUNT OF FRESHWATER MAKE-UP MUST BE SUPPLIED TO THE SCRUBBER TO MAINTAIN A CONSTANT DISCHARGE OF WATER FROM THE SCRUBBER AND TO MAINTAIN THE pH OF THE DISCHARGE WATER TO MORE THAN 6.

This initial permit must be renewed by January 5, 1983 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 001 38700Da 5058

VOID UNLESS VALIDATED
mjm

EXECUTIVE OFFICER

DATE 1/5/82

FILE COPY

76P235A - 11/80



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 29258

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR: McDONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
EQUIPMENT LOCATED AT: HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 100144

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASING SYSTEM CONSISTING OF:

1. DEGREASER, DELTA, VAPOR SPRAY TYPE, MODEL NP6-3030, 2'-6" W. X 6'-0" L. (INSIDE) X 6'-3" (OUTSIDE), 24-KW ELECTRICALLY HEATED, WITH A 1/3 H.P. SPRAY PUMP.
2. DISTILLATION UNIT, DELTA, MODEL DS-60, 3'-0" W. X 3'-0" L. X 5'-6" H., 30-KW ELECTRICALLY HEATED, WITH A 1/2-H.P. TRANSFER PUMP.

PAGE I OF II PAGES

This initial permit must be renewed by 01/01/84

(Rule 301.f) not received by expiration date, contact office above.

unless the equipment is moved, or changes ownership. If billing for annual renewal fee

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY

VIRGINIA MOY

DATE

01/26/83

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
M 29258

CONTINUATION OF PERMIT NO.
(MUST BE DISPLAYED WITH PERMIT)

-CONDITIONS-

THIS DEGREASER MUST USE ONLY 1,1,1-TRICHLOROETHANE, TRICHLOROTRIFLUOROETHANE,
METHYLENE CHLORIDE, OR A COMBINATION OF THESE SOLVENTS.

APPL. NO. 100144

PAGE 2 OF 2 PAGES



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 30561

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY

LEGAL OWNER
OR OPERATOR:

5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 108677

PREVIOUS PERMIT NO. 75-5455

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

SPRAY BOOTH, BINKS, 19'-8" W. X 6'-0" L. X 11'-0" H., MODEL PFF 20-11-6 LH, WITH FIFTY-FIVE EXHAUST FILTERS AND ONE 7-1/2 H.P. EXHAUST FAN.

FILE COPY

PAGE 1 OF 2 PAGES

This initial permit must be renewed by 01/01/84
(Rule 301.f) not received by expiration date, contact office above.

unless the equipment is moved, or changes ownership. If billing for annual renewal fee

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

VIRGINIA MOY
BY
DATE
04/29/83

XXXXXXXXXX

VOID UNLESS VALIDATED

76P235M-REV. 2-81

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
M 30561

CONTINUATION OF PERMIT NO.
(MUST BE DISPLAYED WITH PERMIT)

-CONDITIONS-

1. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
2. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.
3. ORGANIC SOLVENTS AND/OR COATINGS CONTAINING ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER.
4. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT MUST NOT EXCEED 4 GALLONS IN ANY ONE DAY.
5. ALL COATINGS APPLIED TO AEROSPACE COMPONENTS AND ASSEMBLIES MUST COMPLY WITH RULE 1124.

APPL. NO. 108677

PAGE 2 OF 2 PAGES



PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 34907

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

McDONNELL DOUGLAS ASTRONAUTICS

LEGAL OWNER 5301 BOLSA AVENUE

OR OPERATOR: HUNTINGTON BEACH, CALIFORNIA 92646

EQUIPMENT LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

CHROME PROCESS WASTE WATER TREATMENT FACILITY CONSISTING OF:

1. CHROME WASTE RECEIVING TANK T1, 12'-0" DIA. X 12'-0" H., 10,000 GALLONS CAPACITY.
2. CHROME REDUCTION TANK T2, 5'-0" DIA. X 10'-0" H., 1,500 GALLON CAPACITY, WITH A MIX PUMP, 5 H.P.
3. CHROME PRECIPITATION TANK T3, 5'-0" DIA. X 12'-0" H., 1,700 GALLON CAPACITY WITH A PADDLE MIXER, 1 H.P.

APPL. NO. 06733A

FILE COPY

PAGE 1 OF 2 PAGES

This initial permit must be renewed by 01/01/84
(Rule 301.f) not received by expiration date, contact office above.

unless the equipment is moved, or changes ownership. If billing for annual renewal fee

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 11/15/83

XXXXXXXXXX

VOID UNLESS VALIDATED

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
M 34907

CONTINUATION OF PERMIT NO.
(MUST BE DISPLAYED WITH PERMIT)

4. PRECIPITATE SETTLING TANK T4, 8'-0" W. X 9'-0" L. X 6'-0" H.
5. CHROME SLUDGE TANK T11, 6'-0" W. X 6'-0" L. X 6'-0" DEEP, WITH AN AIR DRIVEN
DISCHARGE PUMP.
6. POLYELECTROLYTE METERING TANK, 55 GAL CAPACITY WITH A 1/12 H.P. METERING PUMP.
7. SULPHUR DIOXIDE METERING STATION, WALLACE AND TIERNAN, MODEL V-75.

APPL. NO. 06733A

PAGE 2 OF 2 PAGES



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 34631

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MCDONNELL DOUGLAS ASTRONAUTICS CO.
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 114933

PREVIOUS PERMIT NO. M30567

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

BAKE OVEN, INDOCO, 7'-6" W. X 16'-0" L. X 6'-6" H., SERIAL NO. 6066, ELECTRICALLY HEATED, 90 KW,
WITH ONE 1/3 H.P. CIRCULATING FAN.

-CONDITION-

THIS OVEN MUST NOT BE OPERATED AT TEMPERATURES ABOVE 400°F.

This initial permit must be renewed by

01/01/84

unless the equipment is moved, or changes ownership. If billing for annual renewal fee

(Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by
Division 26 of the Health and Safety Code of the State of California or the Rules of the Air
Quality Management District. This permit cannot be considered as permission to violate existing
laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY

VIRGINIA MOY

11/28/83

DATE



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 38153

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 119550

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. MIST COLLECTOR, DRY FILTER TYPE, WITH THREE METAL MESH FILTERS EACH 19" X 9" X 2".
2. EXHAUST SYSTEM WITH A 1/3 H.P. BLOWER VENTING TWO SOLDER REFLOW TANKS.

This initial permit must be renewed by 01/01/85

(Rule 301.f) not received by expiration date, contact office above.

unless the equipment is moved, or changes ownership. If billing for annual renewal fee

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

VIRGINIA MOY

BY

05/22/84

DATE

XXXXXXXXXX

VOID UNLESS VALIDATED



PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 38157

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR: MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
EQUIPMENT LOCATED AT: HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 09879A

EQUIPMENT DESCRIPTION AND CONDITIONS:

SOLDER REFLOW SYSTEM CONSISTING OF:

1. PREHEAT TANK 2'-0" W. X 2'-3" L. X 0'-6" D.
2. REFLOW TANK 2'-0" W. X 2'-3" L. X 0'-6" D. ELECTRICALLY HEATED, 6 KW TOTAL.

-CONDITION-

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

This initial permit must be renewed by 01/01/85

(Rule 301.f) not received by expiration date, contact office above.

unless the equipment is moved, or changes ownership. If billing for annual renewal fee

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

VIRGINIA MOY

BY

05/22/84

DATE



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 41997

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MC DONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 108676

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

STRIP TANK NO. C-7, CAUSTIC, 2'-6" W. X 3'-0" L. X 3'-0" D. INSIDE DIMENSIONS, WITH A 7.2 KW RECTIFIER.

FILE COPY

This initial permit must be renewed by
01/01 ANNUALLY
(Rule 301.f) not received by expiration date, contact office above.

unless the equipment is moved, or changes ownership. If billing for annual renewal fee

This permit does not authorize the emission of air contaminants in excess of those allowed by
Division 26 of the Health and Safety Code of the State of California or the Rules of the Air
Quality Management District. This permit cannot be considered as permission to violate existing
laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY
DATE 12/27/84



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 42092

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MC DONNELL DOUGLAS ASTRONAUTICS
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 102462

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, BRANSON, ULTRASONIC VAPOR-SPRAY TYPE, MODEL PSD 2024W, 2'-9" W. X 5'-5" L. X 5'-8" H.
OUTSIDE DIMENSIONS, 16 KVA ELECTRICALLY HEATED WITH A 1/20 H.P. SPRAY PUMP, A.P.I.N. 66.

-CONDITIONS-

1. THE TOTAL QUANTITY OF SOLVENTS USED IN THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) MUST NOT EXCEED 1/2 GALLON IN ANY ONE DAY.
2. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.
3. ONLY TRICHLOROTRIFLUOROETHANE, MAY BE USED AS THE CLEANING SOLVENT IN THIS EQUIPMENT.

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY
DATE 01/10/85



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

REISSUED
PERMIT NO.
RM43386

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MC DONNELL DOUGLAS ASTRONAUTICS CO
5301 BOLSA AVENUE
LOCATED AT: HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 128900

PREVIOUS PERMIT NO. M43386

EQUIPMENT DESCRIPTION AND CONDITIONS:

SPRAY BOOTH, SPRAYKING, AUTOMOTIVE TYPE, MODEL 600FAFC; 29'-4" W. X 50'-6" L. X 19'-2" H., WITH ONE 2,000,000 BTU/HOUR INDIRECT GAS FIRED HEATER, ONE 500,000 BTU PER HOUR, INDIRECT GAS FIRED HEATER, ONE 20 H.P. CIRCULATING FAN, ONE 5 H.P. CIRCULATING FAN, THREE EXHAUST FANS (TWO 10 H.P. AND ONE 2 H.P.) AND ONE HUNDRED-TWELVE 20" X 20" EXHAUST FILTERS.

PERMIT NO. RM43386 SUPERSEDES PERMIT NO. M43386 ISSUED 04/04/85

-PAGE 1 OF 2-

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY RAQUEL M. PUERTA
PERMIT PROCESSING UNIT
DATE 07/21/87

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

RM 43386

CONTINUATION OF PERMIT NO.
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 128900

-CONDITIONS-

1. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
2. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.
3. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS APPLIED TO AEROSPACE COMPONENTS AT THIS PLANT MUST NOT EXCEED 60 GALLONS IN ANY ONE DAY.
4. THIS EQUIPMENT MAY COMPLY WITH RULE 1124 UNDER ALTERNATIVE EMISSION CONTROL PLAN.
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS.
6. A MINIMUM RATIO OF 1:2 MUST BE MAINTAINED ON USAGE OF EXEMPT (NON VOLATILE ORGANIC COMPOUNDS) SOLVENTS TO NON COMPLAINT PRIMES APPLIED TO AEROSPACE COMPONENTS.
7. THE OPERATOR SHALL COMPUTE MONTHLY EXCESS OR CREDIT ON EMISSION FROM COATINGS AND SOLVENTS APPLIED ON AEROSPACE COMPONENTS SUBJECT TO RULE 1124 ALTERNATIVE EMISSION CONTROL PLAN IN THE FORMAT AS SHOWN ON ONE ATTACHED SHEET.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

REISSUED
PERMIT NO.
RM43387

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MC DONNELL DOUGLAS ASTRONAUTICS CO
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 128901

PREVIOUS PERMIT NO. M43387

EQUIPMENT DESCRIPTION AND CONDITIONS:

SPRAY BOOTH, BINKS, FLOOR TYPE, 27'-0" W. X 30'-0" L. X 16'-0" H., WITH NINETY-SIX 20" X 20"
EXHAUST FILTERS AND TWO 10 H.P. EXHAUST FANS.

FILE COPY

PERMIT NO. RM43387 SUPERSEDES PERMIT NO. 43387 ISSUED 04/04/85

-PAGE 1 OF 2-

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY

RAQUEL M. PUERTA

PERMIT PROCESSING UNIT

07/21/07

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

RM43387

APPL. NO. 128901

CONTINUATION OF PERMIT NO.
(MUST BE DISPLAYED WITH PERMIT)

-CONDITIONS-

1. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
2. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.
3. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS APPLIED TO AEROSPACE COMPONENTS AT THIS PLANT MUST NOT EXCEED 60 GALLONS IN ANY ONE DAY.
4. THIS EQUIPMENT MAY COMPLY WITH RULE 1124 UNDER ALTERNATIVE EMISSION CONTROL PLAN.
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS.
6. A MINIMUM RATIO OF 1:2 MUST BE MAINTAINED ON USAGE OF EXEMPT (NON VOLATILE ORGANIC COMPOUNDS) SOLVENTS TO NON COMPLAINT PRIMES APPLIED TO AEROSPACE COMPONENTS.
7. THE OPERATOR SHALL COMPUTE MONTHLY EXCESS OR CREDIT ON EMISSION FROM COATINGS AND SOLVENTS APPLIED ON AEROSPACE COMPONENTS SUBJECT TO RULE 1124 ALTERNATIVE EMISSION CONTROL PLAN IN THE FORMAT AS SHOWN ON ONE ATTACHED SHEET.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

REISSUED
PERMIT NO.
RM43388

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR: MC DONNELL DOUGLAS ASTRONAUTICS CO
EQUIPMENT
LOCATED AT: 5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 128902
PREVIOUS PERMIT NO. M43388

EQUIPMENT DESCRIPTION AND CONDITIONS:

SPRAY BOOTH, DEVILBISS, FLOOR TYPE, 20'-4" W. X 15'-2" L. X 12'-8" H., WITH FORTY-EIGHT 20" X 25"
EXHAUST FILTERS AND ONE 5 H.P. EXHAUST FAN.

PERMIT NO. RM43388 SUPERSEDES PERMIT NO. M43388 ISSUED 04/04/85

-PAGE 1 OF 2-

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY RAQUEL M. PUERTA
PERMIT PROCESSING UNIT
DATE 07/21/87

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

RM43388

CONTINUATION OF PERMIT NO. _____
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 128902

-CONDITIONS-

1. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
2. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.
3. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS APPLIED TO AEROSPACE COMPONENTS AT THIS PLANT MUST NOT EXCEED 60 GALLONS IN ANY ONE DAY.
4. THIS EQUIPMENT MAY COMPLY WITH RULE 1124 UNDER ALTERNATIVE EMISSION CONTROL PLAN.
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS.
6. A MINIMUM RATIO OF 1:2 MUST BE MAINTAINED ON USAGE OF EXEMPT (NON VOLATILE ORGANIC COMPOUNDS) SOLVENTS TO NON COMPLAINT PRIMES APPLIED TO AEROSPACE COMPONENTS.
7. THE OPERATOR SHALL COMPUTE MONTHLY EXCESS OR CREDIT ON EMISSION FROM COATINGS AND SOLVENTS APPLIED ON AEROSPACE COMPONENTS SUBJECT TO RULE 1124 ALTERNATIVE EMISSION CONTROL PLAN IN THE FORMAT AS SHOWN ON ONE ATTACHED SHEET.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

REISSUED
PERMIT NO.
RM43389

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:
MC DONNELL DOUGLAS ASTRONAUTICS CO
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 128903
PREVIOUS PERMIT NO. M43389

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

SPRAY BOOTH, DEVILBISS, FLOOR TYPE, 20'-4" W. X 15'-2" L. X 12'-8" H., WITH FORTY-EIGHT EXHAUST FILTERS AND ONE 5 H.P. EXHAUST FAN.

FILE COPY

PERMIT NO. RM43389 SUPERSEDES PERMIT NO. M43389 ISSUED 04/04/85

-PAGE 1 OF 2-

01/01 ANNUALLY

This initial permit must be renewed by _____ unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Raquel M. Puerta
EXECUTIVE OFFICER
RAQUEL M. PUERTA
BY PERMIT PROCESSING UNIT
07/21/87
DATE

RM43389

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO.
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 128903

-CONDITIONS-

1. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
2. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.
3. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS APPLIED TO AEROSPACE COMPONENTS AT THIS PLANT MUST NOT EXCEED 60 GALLONS IN ANY ONE DAY.
4. THIS EQUIPMENT MAY COMPLY WITH RULE 1124 UNDER ALTERNATIVE EMISSION CONTROL PLAN.
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS.
6. A MINIMUM RATIO OF 1:2 MUST BE MAINTAINED ON USAGE OF EXEMPT (NON VOLATILE ORGANIC COMPOUNDS) SOLVENTS TO NON COMPLAINT PRIMES APPLIED TO AEROSPACE COMPONENTS.
7. THE OPERATOR SHALL COMPUTE MONTHLY EXCESS OR CREDIT ON EMISSION FROM COATINGS AND SOLVENTS APPLIED ON AEROSPACE COMPONENTS SUBJECT TO RULE 1124 ALTERNATIVE EMISSION CONTROL PLAN IN THE FORMAT AS SHOWN ON ONE ATTACHED SHEET.

2 2

PAGE 2 OF 2 PAGES



PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 56925

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:McDONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA 92647

APPL. NO. 146794

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, DELTA, VAPOR SPRAY TYPE, MODEL DB-1, 2'-4" W. X 2'-9" L. X 3'-8" H.,

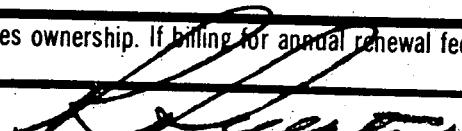
SERIAL NO. D-6014, 4.0 K.W. ELECTRICALLY HEATED, WITH A 1/25 H.P. SPRAY PUMP. (P/N 860065).

FILE COPY

PAGE 1 OF 2

This initial permit must be renewed by **1/1 ANNUALLY** unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.



EXECUTIVE OFFICER

BY RAQUEL M. PUERTA
PERMIT PROCESSING UNIT
DATE 5/14/87

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

M 56925

CONTINUATION OF PERMIT NO.
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 146794

-CONDITIONS-

1. THE TOTAL QUANTITY OF SOLVENTS USED IN THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) MUST NOT EXCEED 0.50 GALLONS IN ANY ONE DAY.
2. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.
3. THE CLEANING SOLVENT USED IN THIS EQUIPMENT MUST CONTAIN AT LEAST 96.2 % BY WEIGHT OF 1,1,1 TRICHLOROETHANE, TRICHLOROTRIFLUOROETHANE, METHYLENE CHLORIDE OR A COMBINATION OF THESE SOLVENTS.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 56926

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:
McDONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
EQUIPMENT
LOCATED AT:
HUNTINGTON BEACH, CALIFORNIA 92647

APPL. NO. 146795

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, VAPO-KLEEN ULTRASONIC, VAPOR SPRAY TYPE, MODEL PL-1824, 2'-3" W. X 7'-5" L.
X 3'-6" H., SERIAL NO. 1741285, 3.5 K.W. ELECTRICALLY HEATED, WITH A 1/15 H.P. SPRAY PUMP.
(P/N 860148).

PAGE 1 OF 2

This initial permit must be renewed by 1/1 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

[Signature]
EXECUTIVE OFFICER

BY RAQUEL M. PUERTA
PERMIT PROCESSING UNIT
DATE 5/14/87

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

M 56926

CONTINUATION OF PERMIT NO. _____
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 146795

-CONDITIONS-

1. THE TOTAL QUANTITY OF SOLVENTS USED IN THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) MUST NOT EXCEED 1 GALLONS IN ANY ONE DAY.
2. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.
3. THE CLEANING SOLVENT USED IN THIS EQUIPMENT MUST CONTAIN AT LEAST 96.2 % BY WEIGHT OF 1,1,1 TRICHLOROETHANE, TRICHLOROTRIFLUOROETHANE, METHYLENE CHLORIDE OR A COMBINATION OF THESE SOLVENTS.

PAGE 2 OF 2 PAGES

FILE COPY



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 56927

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA 92647

APPL. NO. 147530

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, VAPO-KLEEN ULTRASONIC, VAPOR SPRAY TYPE, MODEL VK-500-1012, 1'-10" W. X 5'-0" L.
X 3'-1" H., SERIAL NO. 505081-1, 1.2 K.W. ELECTRICALLY HEATED, WITH A 1/15 H.P. SPRAY PUMP.
(P/N 790759).

PAGE 1 OF 2

This initial permit must be renewed by 1/1 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

[Signature]
EXECUTIVE OFFICER

BY

RAQUEL M. PUERTA
PERMIT PROCESSING UNIT
5/14/87

DATE

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

M 56927

APPL.NO. 147530

CONTINUATION OF PERMIT NO.
(MUST BE DISPLAYED WITH PERMIT)

-CONDITIONS-

1. THE TOTAL QUANTITY OF SOLVENTS USED IN THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) MUST NOT EXCEED 0.50 GALLON IN ANY ONE DAY.
2. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.
3. THE CLEANING SOLVENT USED IN THIS EQUIPMENT MUST CONTAIN AT LEAST 96.2 % BY WEIGHT OF 1,1,1 TRICHLOROETHANE, TRICLOROTRIFLUOROETHANE, METHYLENE CHLORIDE OR A COMBINATION OF THESE SOLVENTS.

PAGE 2 OF 2 PAGES



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 58371

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY

APPL. NO. 157028

EQUIPMENT
LOCATED AT:

5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

SPRAY BOOTH, DEVILBISS, FLOOR TYPE, MODEL DF-L-201012-125; 21'-0" W. X 16'-4" L. X 10'-2" H.,
WITH FORTY EIGHT 20" X 25" EXHAUST FILTERS AND ONE 5 H.P. EXHAUST FAN.

-CONDITIONS-

1. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.

PAGE 1 OF 2

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY RAQUEL M. PUERTA

DATE 08/20/87

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 58370
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 157028

-CONDITIONS-

2. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.
3. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED AT THIS PLANT MUST NOT EXCEED 60 GALLONS IN ANY ONE DAY.
4. THIS EQUIPMENT MAY COMPLY WITH RULE 1124 UNDER ALTERNATIVE EMISSION CONTROL PLAN.
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS.
6. A MINIMUM RATIO OF 1:2 MUST BE MAINTAINED ON USAGE OF EXEMPT CLEAN UP SOLVENTS TO NON COMPLIANT PRIMERS APPLIED TO AEROSPACE COMPONENTS.
7. THE OPERATOR SHALL COMPUTE MONTHLY EXCESS OR CREDIT IN EMISSION FROM COATINGS SUBJECT TO RULE 1124 UNDER THIS PLAN IN THE FORMAT SHOWN ON THE ATTACHED SHEET.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 58705

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR: MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
EQUIPMENT LOCATED AT: HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 157029

EQUIPMENT DESCRIPTION AND CONDITIONS:

OVEN, I.M.F., 12'-6" W. X 18'-10" L. X 10'-4" H., 200 KW, ELECTRICALLY HEATED, WITH ONE 10 H.P. CIRCULATING FAN AND ONE 1/2 H.P. EXHAUST FAN.

-CONDITIONS-

1. THIS OVEN MUST NOT BE OPERATED AT TEMPERATURES ABOVE 375°F.
2. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THE COATING OF ARTICLES PROCESSED IN THIS EQUIPMENT MUST NOT EXCEED 8 GALLONS IN ANY ONE DAY.

PAGE 1 OF 2

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY: RAQUEL M. PUERTA

DATE: 09/03/87

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

M 58705
CONTINUATION OF PERMIT NO. _____
(MUST BE DISPLAYED WITH PERMIT)

157029
APPL. NO.

-CONDITIONS-

3. THIS EQUIPMENT MUST BE OPERATED IN COMPLIANCE WITH RULE 1124.
4. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS.



PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 60972

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER: MCDONNELL DOUGLAS CORPORATION
 OR OPERATOR: 5301 BOLSA AVENUE, BLDG 46-N
 EQUIPMENT LOCATED AT: HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 151060

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, UNIQUE INDUSTRIES, VAPOR-SPRAY TYPE, MODEL NO. LP-1618, 1'-4" W. X 4'-6" L. (INSIDE) X 3'-0" H., 2.5 K.W. ELECTRICALLY HEATED, WITH A 3/4 H.P. REFRIGERATION UNIT AND A 1/15 H.P. SPRAY PUMP.

-CONDITIONS-

1. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

PAGE 1 OF 2

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY RAQUEL M. PUERTA

DATE: 03/07/88

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 60972
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 151060

-CONDITIONS-

2. THE CLEANING SOLVENT USED IN THIS EQUIPMENT MUST CONTAIN AT LEAST 95% BY WEIGHT OF TRICHLOROTRIFLUOROETHANE, 1-1-1 TRICHLOROETHANE, OR ANY COMBINATION OF THESE SOLVENTS.
3. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT MUST NOT EXCEED 1 GALLONS IN ANY ONE DAY.
4. RECORDS MUST BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS 2 AND 3 IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF ENFORCEMENT. THE RECORDS MUST BE KEPT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 61378

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:
MCDONNELL DOUGLAS CORPORATION
5301 BOLSA AVENUE, BUILDING 28
EQUIPMENT
LOCATED AT:
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 152542

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, UNIQUE INDUSTRIES, VAPOR-SPRAY TYPE, MODEL NO. LP1213, 1'-0" W. X 3'-3" L. (INSIDE) X 2'-11" H., 1.6 K.W. ELECTRICALLY HEATED, WITH A 1/2 H.P. REFRIGERATION UNIT AND A 1/15 H.P. SPRAY PUMP

-CONDITIONS-

1. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

PAGE 1 OF 2

This initial permit must be renewed by **01/01 ANNUALLY** unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY RAQUEL M. PUERTA

DATE 03/31/88

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 61378
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 152542

-CONDITIONS-

2. THE CLEANING SOLVENT USED IN THIS EQUIPMENT MUST CONTAIN AT LEAST 95% BY WEIGHT OF TRICHLOROTRIFLUOROETHANE, 1-1-1 TRICHLOROETHANE, OR ANY COMBINATION OF THESE SOLVENTS.
3. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT MUST NOT EXCEED 1 GALLON IN ANY ONE DAY.
4. RECORDS MUST BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS 2 AND 3 IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF ENFORCEMENT. THE RECORDS MUST BE KEPT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 62708

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER
OR OPERATOR:

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
5301 BOLSA AVENUE
HUNTINGTON BEACH, CALIFORNIA

APPL. NO. 155413

EQUIPMENT
LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

FURNACE, BAYCO, MODEL BB-180X, 5'-0" W. X 9'-6" L. X 7'-3" H., WITH A 787,500 BTU PER HOUR NATURAL GAS-FIRED BURNER IN THE PRIMARY COMBUSTION CHAMBER AND A 525,000 BTU PER HOUR NATURAL GAS-FIRED BURNER IN THE SECONDARY COMBUSTION CHAMBER.

PAGE 1 OF 2

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY RAQUEL M. PUERTA

DATE 05/03/88

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 62708
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 155413

-CONDITIONS-

1. A TEMPERATURE OF NOT LESS THAN 1400° F. MUST BE MAINTAINED IN THE SECONDARY CHAMBER DURING THE BURNOUT PERIOD.
2. THE EQUIPMENT MUST BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
3. THE SECONDARY COMBUSTION BURNER MUST BE USED THROUGHOUT THE BURNING PERIOD.
4. THE FURNACE MUST BE PROVIDED WITH AN INDICATING PYROMETER WHICH MEASURES THE TEMPERATURES AT THE PRIMARY AND SECONDARY CHAMBERS.
5. THE INDICATING PYROMETER MUST BE CALIBRATED AT LEAST ONCE A YEAR AND MORE OFTEN IF NECESSARY TO INSURE THAT THE ACCURACY OF THE READING IS WITHIN $\pm 30^{\circ}$ F.
6. THE SECONDARY CHAMBER BURNER MUST BE IGNITED BEFORE, OR AT THE SAME TIME, THE PRIMARY CHAMBER BURNER IS IGNITED.
7. THE SECONDARY CHAMBER MUST ATTAIN A TEMPERATURE OF 1400° F. WITHIN 15 MINUTES AFTER IGNITION OF THE PRIMARY CHAMBER BURNER.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

PERMIT NO.

M80123

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

APPL. # 107139 CO. ID. 016660

SECTOR

LEGAL OWNER: MCDONNELL DOUGLAS CORP

5301 BOLSA AVE

EQUIPMENT LOCATED AT: HUNTINGTON BEACH, CA

EQUIPMENT DESCRIPTION AND CONDITIONS:

R461 GASOLINE FUELING & DISPENSING FACILITY CONSISTING OF :

1. 02 GASOLINE STORAGE TANKS
2. 01 GAS DISPENSING NOZZLES
3. 03 VAPOR RECOVERY SYSTEM - BALANCE

PERMIT CONDITION:

PHASE I AND PHASE II VAPOR RECOVERY SYSTEMS MUST BE IN FULL OPERATION, WHENEVER THIS FACILITY IS IN USE. SUCH SYSTEMS MUST BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CARB CERTIFICATION REQUIREMENTS.

This initial permit must be renewed by 1/1 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual operating fee is not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY VIRGINIA MOY, PRINCIPAL
PERMIT PROCESS CLERK
DATE

02/24/84

76P234M - 6/82



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D02360
A/N 166474
Page 1

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

**Legal Owner
or Operator:** MCDONNELL DOUGLAS ASTRONAUTICS COMPANY

**Equipment
located at:** 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA

Equipment Description:

DEGREASER, DELTA SONICS, VAPOR-SPRAY TYPE, MODEL DS38-R, SERIAL NO. 14655; 1'-8" W. X 2'-0" L. (INSIDE DIMENSIONS) X 5'-6" H. (OUTSIDE DIMENSION), 1.5 K.W. ELECTRICALLY HEATED, WITH ONE 1/12 H.P. SPRAY PUMP AND ONE 5 H.P. REFRIGERATION UNIT.

FILE COPY

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. ONLY TRICHLOROTRIFLUOROETHANE MAY BE USED AS THE CLEANING SOLVENT IN THIS EQUIPMENT.
4. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT MUST NOT EXCEED 1/2 GALLON IN ANY ONE DAY.
5. RECORDS MUST BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS 3 AND 4 IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF ENFORCEMENT OF THE DISTRICT. THE RECORDS MUST BE KEPT FOR AT LEAST TWO YEARS, AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D02360
A/N 166474
Page 2

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/jas
September 15, 1988

FILE COPY

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
ATTN: D. R. JORDAN
5301 BOLSA AVENUE
HUNTINGTON BEACH, CA. 92647



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D02294
A/N 172675
Page 1

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

**Legal Owner
or Operator:** MCDONNELL DOUGLAS ASTRONAUTICS COMPANY

**Equipment
located at:** 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA

Equipment Description:

OVEN, IMF, 3'-6" W. X 55'-9" L. X 3'-4" H., 80 KW ELECTRICALLY HEATED, WITH ONE 3 H.P. CIRCULATING FAN AND ONE 1/3 H.P. EXHAUST FAN.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS OVEN MUST NOT BE OPERATED AT TEMPERATURE ABOVE 320 DEGREES F.
4. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THE COATING OR ARTICLES PROCESSED IN THIS EQUIPMENT MUST NOT EXCEED 1/2 GALLON IN ANY ONE DAY.
5. THIS EQUIPMENT MUST BE OPERATED IN COMPLIANCE WITH RULE 1124.
6. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE IN A MANNER APPROVED BY THE DIRECTOR OF ENFORCEMENT IN WRITING. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

FILE COPY



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D02294
A/N 172675
Page 2

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/ejc
September 9, 1988

FILE COPY

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
ATTN: D. R. JORDAN
5301 BOLSA AVE
HUNTINGTON BEACH, CA 92647

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D04053
A/N 176004
Page 1

This initial permit must be renewed by 01/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

**Legal Owner
or Operator:** MCDONNELL DOUGLAS ASTRONAUTICS COMPANY

**Equipment
located at:** 5301 BOLSA AVENUE, HUNTINGTON BEACH, CALIFORNIA

Equipment Description:

SPRAY BOOTH, DEVILBISS, BENCH TYPE, MODEL DXC-561; 2'-8" W. X 2'-4" L. X 2'-6" H., WITH ONE 20" X 20" EXHAUST FILTER AND ONE 3/4-H.P. EXHAUST FAN.

FILE COPY

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
4. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT MUST NOT EXCEED 52 OUNCES IN ANY ONE DAY.
5. THIS EQUIPMENT MUST BE OPERATED IN COMPLIANCE WITH RULE 442.
6. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE AND DAILY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN A MANNER APPROVED BY THE DIRECTOR OF ENFORCEMENT IN WRITING. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS AND BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
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Page 2

CONTINUATION OF PERMIT TO OPERATE

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LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/jas
December 12, 1988

FILE COPY

MCDONNELL DOUGLAS ASTRONAUTICS CO.
ATTN: D. R. JORDAN - A3-700 MS11-1
5301 BOLSA AVENUE
HUNTINGTON BEACH, CA. 92647